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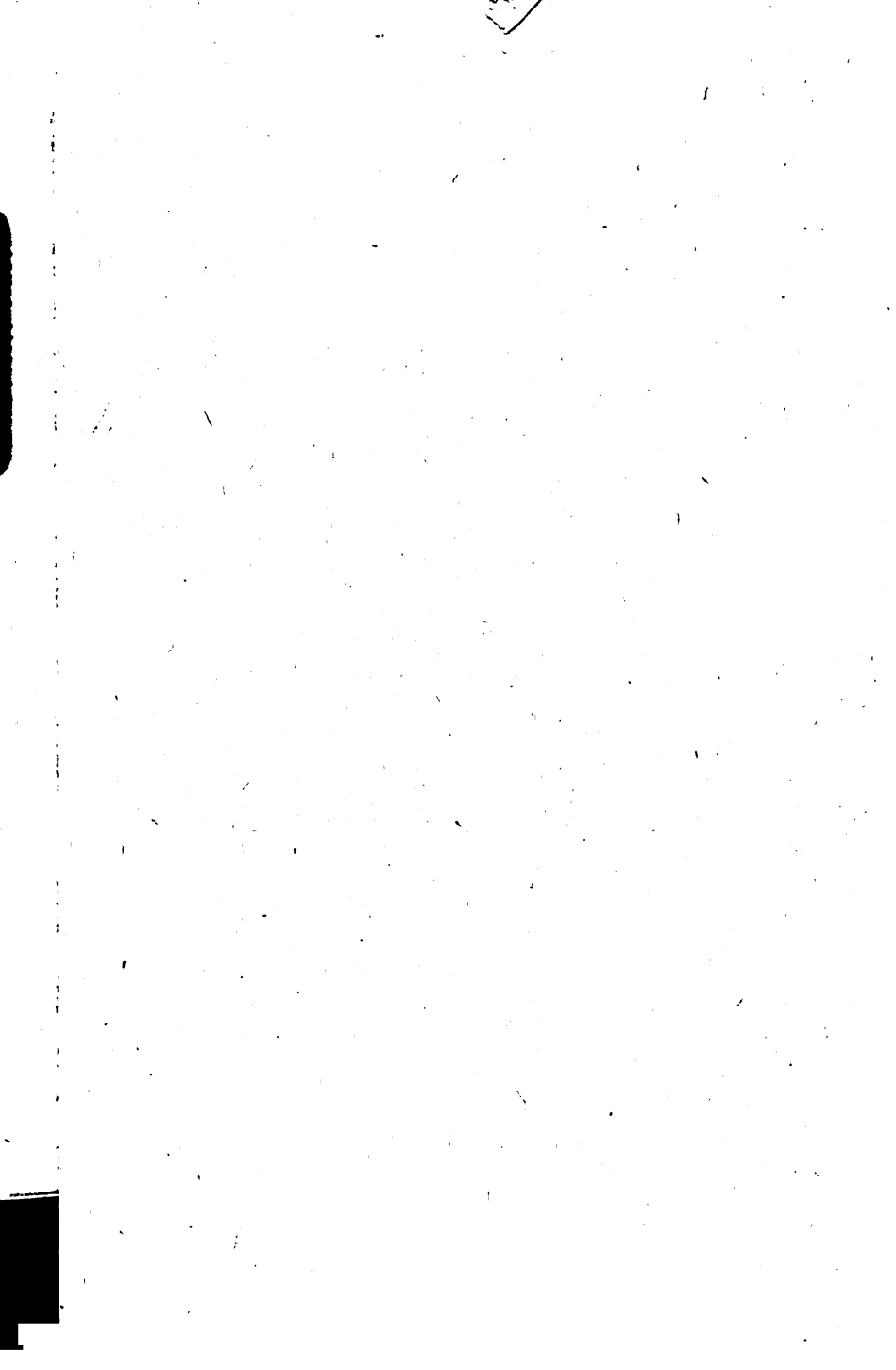
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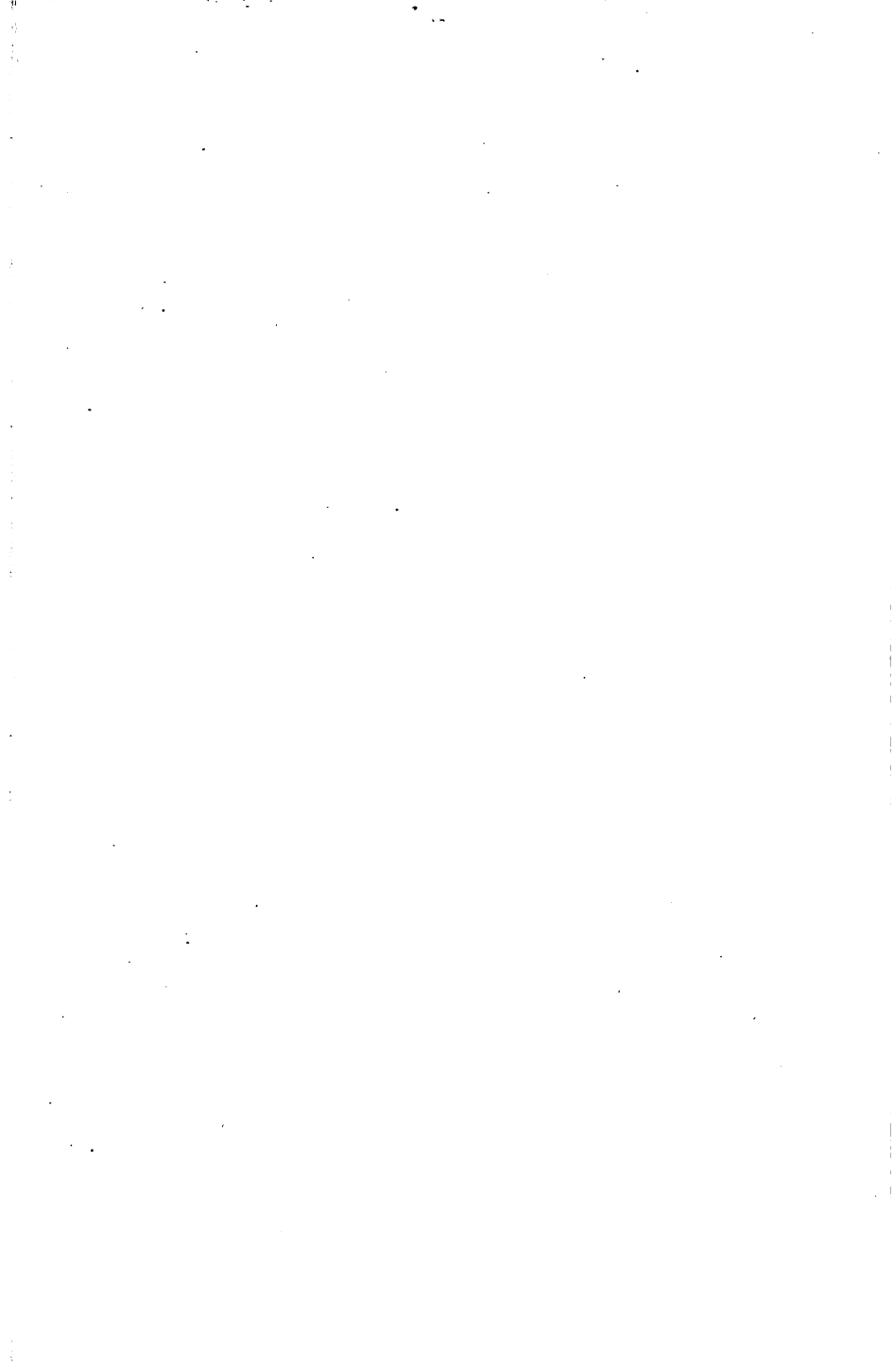
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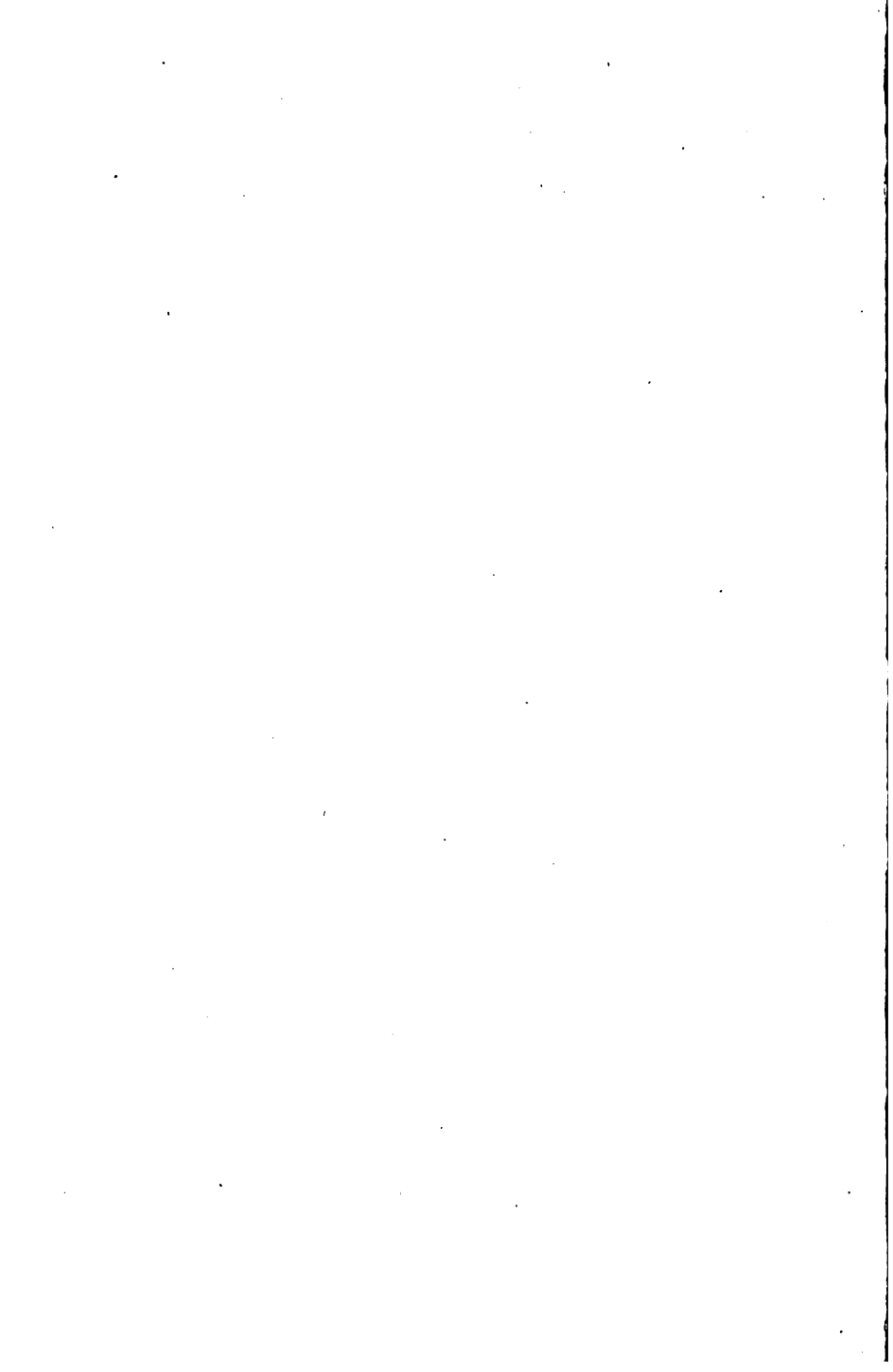
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**SECOND McCLURE
AUTOMOBILE
YEAR BOOK**

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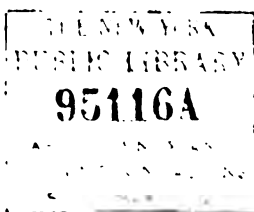
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McCLURE'S

MAGAZINE

Automobile Year Book

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FOREWORD

IN addition to the important articles and automobile data, you will find listed in this unusual Automobile Year Book specifications and illustrations of all the important makes of pleasure and commercial vehicles manufactured in the United States. Our aim in putting out a book of this kind each year is to place in the hands of automobile owners and prospective owners of cars a reference book which will be found decidedly helpful as a buying guide. The article entitled "The Care of a Motor Car" and the two special articles by Waldemar Kaempffert entitled "Getting the Most Out of Tires" and "Automobile Rheumatics" published in this Year Book will be widely read by automobile owners and retail dealers. Statistics and other data, as listed in the table of contents, makes this book distinctive and of value abroad as well as in this country. Catalog request blanks will be found in the back of the book. Kindly make use of them when writing manufacturers for catalogs.

The Automobile Department established in May, 1916, by McClure's Magazine and edited by Waldemar Kaempffert offers throughout the year twelve special automobile articles and also an unusual service to magazine readers who wish special information regarding any phase of Mr. Kaempffert's articles.

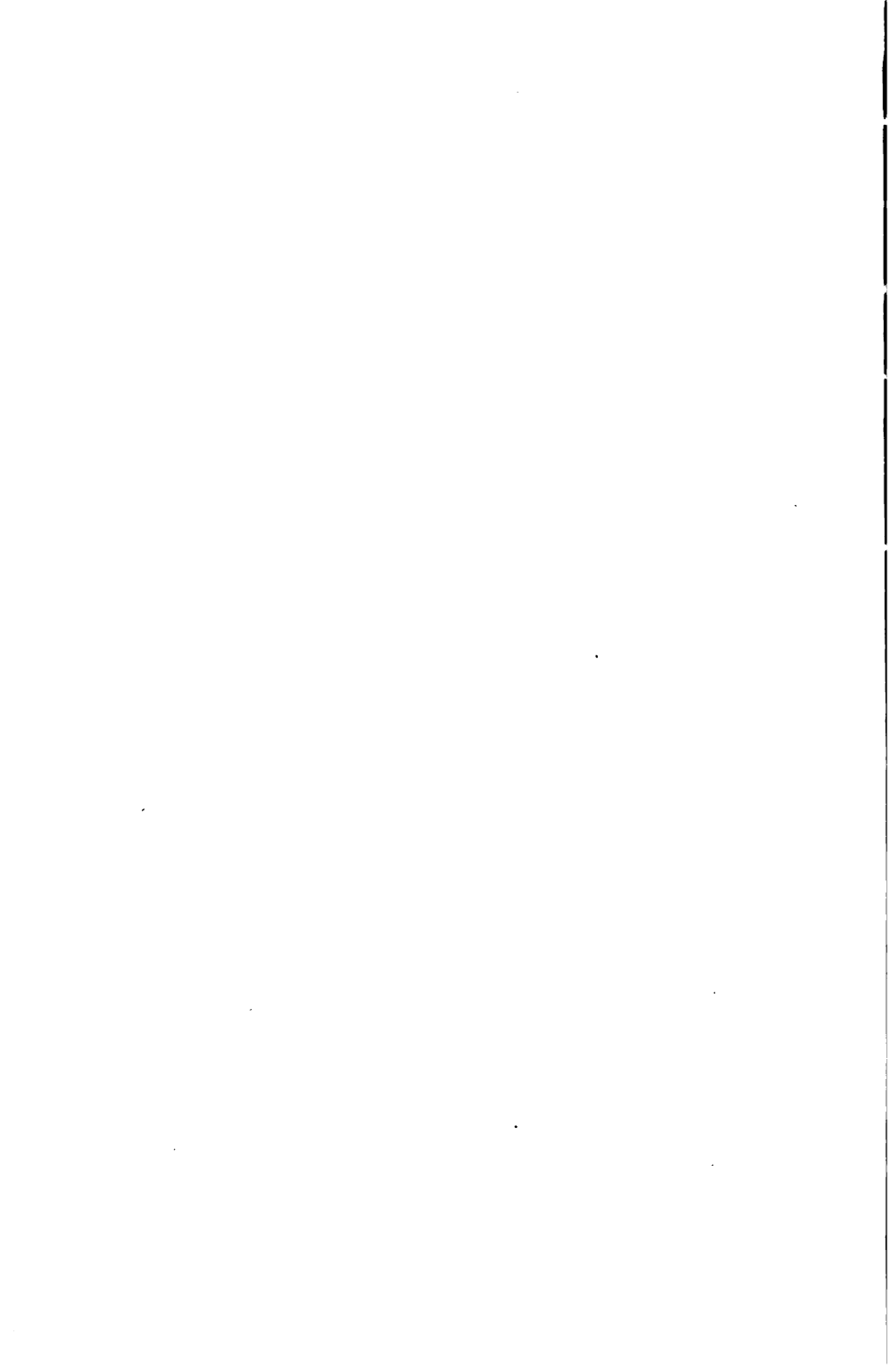


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**SECOND McCLURE
AUTOMOBILE
YEAR BOOK**



Photograph by Pirie Macdonald

WALDEMAR KAEMPFERT
Automobile Editor of McClure's Magazine

Getting the Most Out of Tires

By Waldemar Kaempffert

WHEN an iron-tired wheel rides over a pebble, the entire weight on the axle must be lifted at a great expenditure of power. When a pneumatic tire passes over the same pebble, the soft, elastic material of which the tire is composed yields. Some extra power has no doubt, been expended in bending the tire, but little vibration has been transmitted. Hence, a pneumatic tire, whether it is used on a horse-drawn buggy or an automobile, is both a vibration-preventer and a protector. If the pneumatic tire had never been invented, if there were no way of imprisoning air in some flexible, resilient skin like rubber, the automobile would be vastly different from the machine with which we are familiar. The combination of air and rubber constitutes the best shock absorber ever invented. Consider what is expected of it. Roads are rough and engines are strong. The tire must stand the friction of the road and the pull of the engine. It must run through muddy pools and plough through sand and dust. It must adapt itself to the zero weather of winter and the scorching heat of summer. There is not another invention of which so much is inconsistently demanded.

Rubber is to a pneumatic tire what a film of soapy water is to a bubble—a container. A tire is buoyant not because of the elastic rubber of which its outer casing is constituted, but because of the air it contains. It is the air in a tire that makes motoring so wonderfully comfortable, so delightfully smooth—not the rubber.

In all the world there is nothing quite like rubber—nothing else which is at once waterproof and airproof, tough and elastic. That is why it is so essential in the making of tires. For more than a quarter of a century inventors have been trying incessantly to devise a wheel which will carry a heavy automobile buoyantly over stones and ruts and which will not include rubber in its construction. Indeed, the best engineers of our time have attacked the problem of doing away with rubber. But pneumatic tires are still made of rubber.

You Have a Skeleton to Strengthen You—So Has a Tire

Although rubber is strong, it is not strong enough to perform the task of supporting a heavy automobile and of bending hundreds and hundreds of times as the wheel that it surrounds turns on the road. Something which is flexible, without necessarily being elastic, something which is much more durable than rubber must perform the hard work expected of a tire. A fabric of some kind at once suggests itself; for a fabric can be made pliable and strong. But the fabric must be much more than pliable and strong. It must lend itself to union with rubber by heat. Years of experimenting have taught tire manufacturers that cotton is the best material of which the fabric can be made. The silk out of which a queen's gown is fashioned is not so carefully selected as the cotton out of which your tires are made in part. The finest, long-fiber varieties are utilized, and they are chosen only after they have satisfactorily withstood a very rigorous series of scientific tests. Cotton fabric is to a tire what steel ribs are to a ship—an indispensable supporting, strengthening, and stiffening framework.

The amount of rubber and the amount of cotton utilized in a tire are not determined haphazard. There must be a nice proportion of each. A tire must be durable; but if it contains too much rubber and too much fabric, it will not be resilient enough, and it will deteriorate rapidly. You have heard the expression "balance" used in connection with tires? All the large manufacturers try to make what they call "balanced" tires. They mean that they have so proportioned the amounts of fabric and rubber that they have succeeded in producing the strongest and at the same time the most resilient tire possible; also that they have designed a tire, which, if properly used, will wear out not in any one part, but in all parts.

How a Tire is Shaped and Why

If you will study the accompanying sectional view of a tire you will see how ply on ply of fabric is used to build up a strong carcass and how the rubber is ingeniously distributed so that it is thickest where it needs to be thick and thinnest where it may be made thin. But all sectional views are misleading in a sense. They are accurate enough physically, but chem-

The Construction of a Standard Automobile Tire

A Tread.

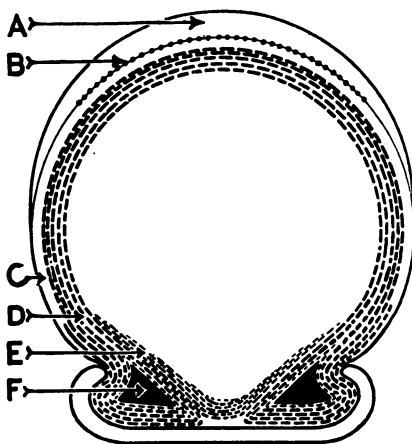
B Breaker Strip—a bulwark against hard usage.

C Side Walls—made thin enough to bend.

D Plies of Fabric—they are the strong frame-work of a tire.

E Protection Flap—it prevents the tube from being pinched under the bead.

F Bead.



ically they are meaningless. That is because a chemical process is so mysterious, so subtle, that it cannot be depicted. Although rubber and fabric are pictured as distinct from each other as jelly in a layer cake, they are in reality united. For a tire is vulcanized; in other words, heated in a steam oven. Thus the rubber and the fabric are united. The rubber, of which a tire is in part composed, is intimately mixed with sulphur and other ingredients. The heating of the compound thus produced (vulcanization) is a very critical stage in the manufacture of a tire. On the manner in which it is carried out depends the durability of the tire. Even though it be composed of such radically different substances as cotton and rubber, a tire is nevertheless a unit. The strange effect that heat has on rubber to which sulphur has been added brings about that result. Think of a tire, then, as you would of the cement and the sand and the gravel of which a concrete wall is made—as a single thing.

Eyes Were Made to See With. Use Them and You Will Save Tire Money

Now that you know in a general way how a tire is designed and how it is vulcanized into a homogeneous tube of rubber

and cotton, you will understand why the instructions that are about to be given are worth following. A battleship has its limitations. So has a tire. You can't expect a battleship to stay afloat very long after a mine has exploded beneath her, even though her designers considered the possibility of such an encounter. You can't expect a tire to stand up when it is under-inflated, or run repeatedly and violently against curbstones, even though its manufacturer knew that it would be called upon to sustain a certain amount of abuse. The commander of a battleship can't avoid a mine, because he can't see it. But the driver of an automobile can avoid nearly all the dangers that tires must encounter, simply because he *can* see them. And by avoiding them, he saves tire money. Fully thirty per cent of the money annually spent on tires is wasted, because drivers are careless or ignorant. All told, we waste, as a nation, more than one hundred million dollars annually at that rate.

Keep Your Tires Properly Inflated. The Air is Free.

Now of all the abuses to which a tire is subjected, that against which tire manufacturers direct their more impressive warnings is under-inflation. A soft tire rides a little more easily than a hard tire,—that, rather than laziness or forgetfulness, is the cause of most under-inflation. But what a price must be paid! A tire which is intended by its maker to be filled with air at 80 pounds pressure—a 34 x 4 tire—is driven at 60 pounds. And what is the result? A loss in life of perhaps 1,000 miles and six dollars in money. Multiply that by the number of tires that you buy in a year and you can readily see that you may lose forty or fifty dollars—all because not enough free air was pumped in.

Only when a tire is inflated to the pressure designated by the manufacturer can it perform the full service that it is supposed to render. A fully-inflated tire acts to a certain extent as a buffer; it is more resistant to sharp stones. A soft tire yields so readily that it is easily cut by nails, glass and gravel. The spring suspension of a car takes up the shock that is not absorbed by hard tires; but when the tires are soft, the spring suspension is all but idle.

You know what happens when you succeed in breaking a piece of wire by bending it back and forth in your hands. It grows

very hot. As you bowl along over the road the side walls of your tires bend many times a minute; they grow hot, just as the wire 'did in your hands. When under-inflated, a tire bends more than when it is correctly inflated. Therefore, it grows hotter the softer it is. Heat has as marked an effect on rubber as it has on cheese. Remember that rubber permeates the tire, even to the fabric itself, so that the carcass and the case are one. Heat softens the rubber bond between the various layers. They are no longer subject to stretching power as a unit, but are so many separate parts. As a result, they pull apart when they strike an obstacle. Sooner or later a blow-out occurs. When you take the tire to the adjuster of the manufacturing company and he gazes on its bumps and blisters, rest assured that he knows why you came to him. The story of under-inflation is told plainly enough to his experienced eyes.

Measure the Air Pressure—Don't Guess at it.

Don't guess at the pressure within a tire. Use a pressure gauge once a week. For the front wheels allow from 15 to 18 pounds per inch of tire section; for the rear tires, from 15 to 20 pounds. Remember this, too:—Overloading produces the same effect as under-inflation. Allow, therefore, for extra weight. To measure the load that the tires are called upon to sustain, run first the front wheels of a car on platform scales and then the rear wheels and add the weights.

Tires are so constructed as to give the longest wear and the most efficient cushioning at a certain definite amount of flattening under the load. This is generally about 12% of their sectional diameter. This flattening depends directly on the weight sustained and the supporting air pressure. An ordinary 34 x 4 inch tire, for



Gaze on this picture and learn what under-inflation may effect. If a tire is not blown up properly the side walls bend too much as the wheel turns around and around. This incessant bending of the side walls generates heat. The heat destroys the rubber adhesion between the inner fabric and the outer tread, so that the two separate. That explains these curious corrugations. A blow-out ends the career of the tire.

example, will give the best results under an approximate load of 750 pounds at an inflation pressure of about 60 pounds.

Nearly every manufacturer recommends what he calls "oversize" tires for cars which carry extra heavy loads. The term ought never to have been coined. There are only right tires and wrong tires, and it is the business of the driver to use only the right kind. He must select his tires according to the load that he carries. An engineer does not specify "extra strong"

steel when he erects a skyscraper; he asks for steel of a certain tensile or certain crushing strength. And so the driver of a car should ask for a tire which will sustain a load of a specified number of pounds. The term "oversize" is unscientific because it is too inexact, too meaningless.

It is commonly supposed that on a hot summer day a tire may explode because of the expansion of the air within. True, air does expand when it is heated. But no day is ever so hot—not even in the tropics—that there is any danger of a tire's exploding. The expansion due to summer heat is in fact so small that it is negligible. At the end of a day's run, with the thermometer over ninety degrees in the shade, the pressure within a tire will never increase six pounds. There is little danger of over-inflation. Most tires can stand a pressure four times as great as that recommended for them in the pressure tables of manufacturers.

It is true that the mileage is greater in cold than in warm climates.

That is due to the effect of heat not on the confined air but on



Here you see the effect of under-inflation or overloading. The tire has been turned inside out so as to expose the fabric. Note how the bending of the side walls, made possible by insufficient air-pressure, has broken the fabric.

the rubber of the tire. As soon as the temperature reaches 90 degrees in the shade, trouble begins; every additional degree of heat is detrimental to the rubber. On the Indianapolis speedway, where the temperature is often 90 degrees during the summer racing season, cars average about 80 miles an hour. Their tires never last more than 300 miles, chiefly because the temperature to which they are subjected approaches 300 degrees. The internal pressure in the tires of one of these Speedway racers has been known to rise fifteen pounds to the square inch. But on an ordinary road it is impossible to increase the pressure more than six or seven pounds even on the hottest day.

Blows and the Bruises They Cause. Remember, a Tire, too, Has a Solar Plexus

A tire is very much like a human being in this:—It may sustain internal injuries without revealing a scratch on its outer surface. A blow will injure a man internally; a blow breaks the internal tire fabric. As the wheel turns mile after mile the break widens. And then, some days or weeks later, there is a blowout—a loud report which may burst on the air even though the car is standing still.

A little experiment will teach you the effect of a violent blow on a tire. Take a pad of paper and bend it into the shape of a tire tread. Then, holding the edges tightly, bend the pad in the opposite direction. You will see at once that the strain normally divided among the sheets of paper (the equivalent of fabric plies in a tire) is thrown on the inside sheet. As a result, that sheet breaks. That is exactly what happens to the fabric layers in your tire when you run violently against a stone or a curb. An under-inflated tire is more easily ruptured than one over-inflated.

The fabric of a tire is very strong. To break it you would have to drop a 75-pound weight upon it from a height of 12 feet if the air pressure in the tube is 70 pounds to the square inch. You can imagine, therefore, how severe must be the shock of running against a large stone if it is capable of injuring the stout, internal fabric. Run over a stone no bigger than a hen's egg at the rate of 40 miles an hour and a fracture is sure to result if



The tire struck a stone about as big as two fists at the spot marked "X". No mark was left on the tread. But within the fabric was broken. Soon a blow-out occurs — sometimes when the car is standing still.

the blow is squarely delivered. The action is similar to that of the crack of a mule driver's black snake whip. On a curve the effect is even greater, because of the centrifugal force brought into play.

Rim-Cutting and Its Cause

A flat tire (a sign of laziness usually) may be cut by certain forms of rims. But a loose valve-bridge, a dent in the rim, or a tire filler is more likely to be the cause of rim-cutting. A bent or a warped flange will cut into the side of a tire where the bead is not properly seated. Sand that has lodged between the tire and the edges of the rim may cut through the outer layer of rubber to the fabric beneath. The tire must fit the rims perfectly; for if the attachment is not perfect, chafing and move-

ment will follow. Loose or ill-fitting studs always allow some movement of the tire.

It is hard to steer straight with a flat front tire—one sign that the pump should be used. The steering-wheel favors the soft tire. A flat rear wheel proclaims itself by unmistakable pounding.


See that Your Wheels Are True

If tires are to wear well, the front and rear wheels of the car must be in line. As soon as the wheels are out of alignment—and that happens sooner or later—the tires no longer roll freely, but scrape a

little. Wheels may fail to run true for a dozen reasons. An axle may be bent; a hub disk may be loose or worn; a steering-rod or knuckle may not be straight; a connecting-rod may be too long or too short; the holding-nuts on the rims may not have been evenly tightened all around; the brake-drum may be improperly adjusted. The service stations of both automobile and tire-makers will test the alignment of your wheels for you. If the wheels are not true then the cause must be discovered by a rigorous examination, and the proper remedy applied.

Lubricate the Tube—But Wisely

Since the side walls of a tire are constantly bending, since this bending generates heat, and since heat is bad for a tire, some form of tube lubrication is necessary. Although tire manu-



Because the tire was not correctly applied, this flap was misplaced. The bead could not seat itself properly. Hence the casing was broken just beyond the head with every appearance of an ordinary rim cut. Under-inflation, overloading, dented rims, tire fillers and tire reliners may produce similar results.

facturers coat the inside of a tube with a solution which prevents inner tubes from sticking to the casing, soapstone, or powdered mica, or talc must be used. But the powder must be well distributed. If it collects in lumps it will chafe the inner tube and the casing, burn the rubber in hot weather, and honeycomb the tire. Distribute the powder with a soft rag.

Don't Neglect Cuts. Think of Sharp Knives and Your Fingers

When you cut your finger you take good care to keep out foreign matter. In its way a tire is as sensitive to cuts as your flesh. When new it is as smooth as your skin. Let it be cut ever so slightly and trouble begins. As the weight of the car

presses down the elastic rubber expands and the cut is held wide open. A grain or two of sand enters. It works its way in and in and in. It wedges itself between cover and fabric. "Sand boils" form. Water enters and rots the canvas. The entire tread may be pried loose.

Close the slightest cut as soon as you can. Use a vulcanizer or plug the opening with a preparation recommended by the maker of the tire. Vulcanization is better than filling.

It pays to clean your tires regularly and to pick out the tacks, bits of glass and metal that have imbedded themselves in the rubber.

And Don't Run in Street Car Tracks if it isn't Absolutely Necessary

The temptation to avoid cobbles by running in car tracks is too strong to be resisted. If persisted in, the practice is sure to result in wearing away the rubber where it meets the



If the wheels do not run true the tire is scraped along. That wears down the tread, as you see here.

edges of the steel rails. Worse still, the fabric itself may break because the tire must bend sharply over and over again. The sides are made to perform more work than the tread. No tire can stand unevenly distributed strains very long.

Run in deep ruts continually and rub against curbstones too frequently, and you will also wear away the tire.

The Sun Will Tan Your Skin. It Will Do More Than That to Rubber. P. S.—Look Out for Oil and Grease, Too.

A very strange effect is produced on rubber by sunlight. What are known as the ultra-violet rays of sunlight bring about a curious chemical disintegration. Strangely enough the rays are invisible. Just as there are sounds so high in pitch that you cannot hear them, so there are rays of such high vibration that you cannot see them. It is these rays in sunlight that tan the human skin—a mere chemical change. They affect rubber even more than they do your skin. Therefore, store your tires in a dark place when they are not in use and buy a case for the spare tires that you carry on the car.

Oil, grease and kerosene are just as harmful as sunlight. An oiled road can do no harm. But don't let your car stand in a pool of oil. Wipe off any oil that may cling to the tires with a rag soaked in gasoline or benzine. Since the benzine or gasoline evaporates very quickly it has no time to attack the rubber; for both gasoline and benzine rot away rubber as easily as oil.

Use Inside Protectors with Discretion. A Tire Rarely Needs Underwear

Nearly all tire makers agree that a flexible reliner may protect an old tire but that it does more harm than good in a new tire. A reliner may prevent punctures; but it also



The story of two neglected cuts. Mud, gravel and dust were sucked into the wounds as the wheel turned. They wedged their way in and in and in. Then water followed and rotted the exposed fabric.



If you were to scrape the side of your shoe constantly against a rut in the road, how long would the leather of the upper last? The side walls of a tire were not made to travel in ruts for many miles. When they do this is what happens.

deadens the tire. The additional thickness generates heat, and heat, as we have seen, is not good for rubber. Strange as it may seem, the thicker the tire—and inside protectors add to the thickness—the greater the danger from bruises. That follows from the fact that a thick tire is subjected to greater strains when distorted than a thin tire, and it cannot adapt itself readily to them because thickness is not compatible with resiliency.

Be Sure That Your Chains Are Properly Applied

Anti-skid chains are often a necessity. Properly applied, they cannot injure a tire. If they are too tight, the cross grips will bite into the rubber tread and allow dirt and moisture to

enter. Let them have just enough play to creep around the tire. That will prevent the cross-grips from imbedding themselves.

When an automobile skids the tires are scraped on the road. It is commonly supposed that skidding occurs only on a wet smooth surface. Yet, a car may skid on a dry road covered with a greasy film of dirt. In order that a tire may brush away this film of moisture or greasy dirt, non-skid treads of various forms have been invented. They clean away the greasy film and enable the tread to grip the road. Since water is a perfect lubricant for rubber, non-skid treads are not always as effective as chains in wet weather.

Tires Were Made to Roll, Not to Scrape. Learn, Then, How to Brake Your Car

A tire which is worn away at one spot as the result of skidding is not to be distinguished from one which has been scraped to the fabric by unwise braking. Lock the wheels of your car when you try to stop, and you are sure to scrape your tires on the road. You might as well rub them down with sandpaper—the proceeding is just as reckless and expensive. A car, traveling at thirty miles an hour cannot be stopped suddenly, even though the brakes are applied so hard that the wheels are locked. Braking is a little art in itself.

Inner Tubes—Handle Them as Carefully as You Would a Baby

The inner tube is the heart of a tire. It is composed of layer on layer of the finest rubber procurable, welded together. An inner tube should fit its casing as neatly and comfortably as a glove. If it is too small it stretches; stretching means heat and heat means a rupture. If it is too large it folds on itself; folding means cracking, and cracking means rupture. Hence, the right sized inner tube should always be used. The misplacing of flaps and the jamming of tire-tools may cause a puncture. Use plenty of soapstone or mica to help the tube to slip into position. Be sure that the valves are equipped with spreaders adapted to the particular type of case used.

Keep your extra tubes in a cloth bag. Don't throw them under



Ruined by tight chains. Observe where the metal cross pieces cut into the rubber at regular intervals. Chains should be applied with just play enough to creep.



You wouldn't rub down a tread with a grindstone. Then why make the car skid by applying the brakes too suddenly? This is the result.

a seat or into the tool box, and don't keep them in the original cartons. An inner tube must not rub against a hard object; it will chafe. Carry at least two inner tubes for emergencies.

Lastly, Be Fair to Your Tires

A tire is guaranteed for a certain number of miles. But that guarantee does not hold good if the tire has been abused. It means simply that it left the factory perfect and that if properly used and cared for it will carry a car for a definite distance. And yet, because tires are guaranteed, many drivers cherish the illusion that they will give the mileage claimed by the factory whether or not they are under-inflated, driven violently against curbs and heavy stones, and run in car tracks. A tire



This is how a tire should wear out. The tread has been worn down evenly to the fabric just as you would wear out the sole of a shoe. The tire shown covered 11,800 miles. The credit for the performance should be equally divided by an unknown careful driver and a well-known manufacturer.

maker can guarantee only his own work; he cannot supervise the running of your car. His guarantee protects you against any mistake that he may have made (and he makes very, very few); it is not fair that he should be asked to protect you against your own mistakes.

Automobile Rheumatics

Lubricating Oil—A Medicine for Gouty Cars

By Waldemar Kaempfert

IF you could see a metal plate under the microscope you would be astonished at its roughness. It seems all hills and valleys. A file viewed with the unaided eye seems no rougher. Place another metal plate upon it and rub the two together. If the plates are highly polished the task is easier than if they are rough. The hills and valleys of the one intermesh with those of the other, and the greater the roughness of the plates, in other words the deeper the valleys and the higher the hills, the more difficult will it be to move one plate on the other. Even the most highly polished metals cling together—"seize" each other as the mechanic expresses it.

In the unavoidable inequalities of rubbing surfaces you find the cause of friction. When a savage wants to make a fire he rubs two sticks together. Friction generates heat. Every Fiji Islander is an expert on friction. The chief problem of mechanical engineering is the reduction of friction. It takes energy to move one thing on another, and if the object is to transmit power by that motion, some of it will surely be lost in overcoming friction. The mechanical monomaniac who fritters away his life in devising perpetual motion machines finds that his mechanisms are always arrested by friction; it is impossible to design any piece of machinery in which friction is completely overcome.

Place between two plates, which are to be moved one over the other, a layer of shot, or better still, a layer of perfectly round, hard, steel balls, and at once friction is marvelously reduced. One plate moves over the other with magical ease as it rolls on the intervening balls. No longer is it possible for hills and valleys to intermesh, for they are separated.

Substitute for the layer of steel balls a film of lubricating oil, and the same effect is obtained. The oil is in reality composed of countless minute liquid globules, which serve exactly the

same purpose as the steel balls. They keep the rubbing surfaces apart, and they slip and slide past one another with little interference.

All this seems very obvious and very simple. And yet, curiously enough, it was only in the present generation that the true function of a lubricant—the function of separating rubbing surfaces—was discovered.

This matter of lubrication affects every one of us. Greases have always been employed. They answered well enough for crude early machinery. But as mechanical engineering developed more highly specialized devices, better lubricants were demanded. Had they not been forthcoming we might still be using machines long since discarded. Petroleum lubricants met the requirements. There would be no trolley cars, no power-houses to supply current for electric lighting, no factories in which shoes are made by machinery or fabrics woven by complicated looms, no fast express trains, no great ocean steamers, and no automobiles, were there no way of separating moving surfaces in contact. If the petroleum wells of the world should suddenly run dry, a calamity would befall us.

Some machinery might still be operated with vegetable and animal lubricants; but almost every manufacturing plant would close its doors. Detroit, Cleveland, Philadelphia, Sheffield, Essen, in a word, hundreds of manufacturing towns all over the world would be reduced to mere tombs. New York and London of today would not differ vastly from ancient Rome and Athens were it not for the astonishing development of mechanism. But mechanism would not have been astonishingly developed without lubricating oil. Egyptians and Greeks of old were not distinguished as inventors. The achievements of Hero of Alexandria, who invented a kind of steam engine, or of Archimedes, who seems to be remembered chiefly for leaping out of his bath-tub and screaming, "Eureka," are fine subjects for historical reading; but they are outdone every day by the thousands of ingenious American mechanics who rain applications for patents on the government. The ancients knew nothing of lubricants derived from petroleum. They had no simple way of overcoming mechanical friction. Is that, perhaps, the reason why Greece produced philosophers, poets and

sculptors, but no towering mechanical genius? Some historian, with the knowledge of an engineer, should write a treatise on the influence of lubricating oil on civilization. Liebig once said that the amount of soap consumed by a nation was an indication of its culture. The amount of lubricating oil required by a nation is a measure of its mechanical genius.

Even in this war lubrication plays its part—only the newspapers never mention it. In my last article on the scarcity of gasoline, it was pointed out that without Galician gasoline von Hindenburg might have found it difficult to shift his regiments by motor car in a hostile country unprovided with adequate railways. Galician oil is even more important to Germany as a source of petroleum from which lubricants can be obtained. Without lubricants the fires of Essen might as well be extinguished. Shells could not be made on a wholesale scale, nor rifles, nor airships. Galicia is worth any sacrifice in men for the sake of her oil. Projectiles and guns are indispensable in war; but so is lubricating oil. Without efficient lubrication, battles would still be fought on a diminutive medieval scale.

No mechanism is more difficult to lubricate than an automobile engine. You can imagine why if you can conceive the two metal plates with which we began heated to redness. Clearly, the thin film of oil which is spread between them and which serves to reduce friction cannot last long. Part of it must be consumed in that intense heat, and it must be renewed as fast as it is consumed if it is to perform its task. Such, in a general way, are the conditions in an automobile, except that air or water is used to cool the metal and prevent it from becoming red-hot. Within the smooth cylinder of the automobile engine is a piston which moves back and forth. The cylinder is one of our rubbing surfaces; the piston is the other. Between the two is a film of oil. The piston moves up; a mixture of gasoline vapor and air is squeezed together; an electric spark passes at the moment when the squeezing is greatest; a violent explosion of the mixture takes place, as a result of which the piston is driven back. And this occurs perhaps many hundred times each minute. The engine becomes hot—intensely hot. Temperatures of 3,000 degrees Fahrenheit are attained as the gases are repeatedly ignited.

When the automobile came these extraordinary conditions began to be studied in earnest. An oil is needed which will endure heat. Accordingly, oil chemists and mechanical engineers began a long series of investigations which taught scientists more about oil than was ever dreamed of in their philosophy and which has made it possible to obtain special lubricants for special motor car purposes. Oils are now prescribed for cars as are medicines for human beings. Indeed, they may almost be regarded as the exact mechanical equivalent of medicines. How does friction manifest itself in the human frame? Is it not in arms, legs, and fingers which move stiffly and painfully? Rheumatism is one form of friction which results from a lack of lubrication. Without oil a car could not be driven; its joints would fail; it would suffer from a kind of mechanical rheumatism.

The renewing of worn-out tires is popularly supposed to drain the purses of automobile owners. Ask a motor car manufacturer and he will tell you otherwise. "Three-fourths of the trouble with motor cars is due to carelessness on the part of the owner in keeping the car properly lubricated" is the dictum of one maker. Many cars suffer from mechanical gout because their owners either fail to lubricate them adequately or because they employ the wrong kind of oil.

Cars are like human beings. They have individualities. The lubricating requirements of one differ from those of another. Hence it has been necessary to study the design of engines, the arrangement of cylinders, the construction and location of valves, the manner of supplying oil to the moving parts, the number and fit of the piston rings, the condition of the bearings, the cooling system, the speed of the engine, and even climatic conditions. So, oil-chemists and engineers have become doctors to the automobile industry. Motor cars are their patients. The experience of these physicians of the automobile is embodied in lubricating charts or tables which hang in most garages and which are supplied for the asking by half a dozen reputable oil refiners. If automobile owners dose their cars with the wrong medicine it is not for lack of simply and compactly expressed advice.

It is the primary duty of a lubricating oil to reduce friction and thereby to enable the mechanism of an automobile to

transmit as much power as possible to the wheels. But the conditions under which an oil must be applied in a motor car are altogether opposed to the attainment of the ideal in that respect. When the balls in a ball bearing are chipped they cease to perform efficiently the function expected of them. So it is with the minute globules of which oil is composed. The heat to which it is subjected splits up some of the oil—an injury which is both chemical and physical in character. Most of the broken down oil is burned with the fuel; the rest of it is carbon, the physical evidence of the change. From a fine transparent yellow the oil changes in color progressively to bluish-yellow, blue, and finally black. If a used, black oil is left to stand, much of the blackness will settle in the form of a sediment. Chemists have analyzed that sediment. They find that it is composed of metal particles, worn off the rubbing parts of an automobile, harmless carbonaceous matter, and black, powder-like carbon. It is this fine carbon powder which prevents an old oil from lubricating; its effect on the polished bearing surfaces of an automobile engine and other parts is like that of so much sand.

Try as they may, chemists will never be able to produce an oil which will not eventually yield that black, sand-like carbon after use. This follows from the very nature of petroleum. Ask a chemist what is the composition of an oil and he will reply at once "hydrogen" and "carbon." Without carbon there can be no oil, just as a brick house cannot be built without bricks. It used to be the fashion among the less conscientious oil refiners to claim that their lubricants contained no carbon. Latterly we hear less of that ridiculous claim. The scientific spirit that pervades the chemical laboratory, the spirit of finding out the truth and expressing only the truth, has made itself felt in the salesroom. No reputable refiner now claims that he sells a "non-carbon oil." But he does claim that he employs as a staff of physicists, chemists, and engineers whose task it is to study oils, to discover how they can be made to resist the destructive heat to which they are subjected in automobiles, and to devise refining methods which will render it possible for an oil to wear long and well before heat and wear will finally deposit that black carbon grit which every automobilist has reason to fear.

It is fortunate that good lubricating oil carries a car very

far. Ten dollars will probably pay for the best oil that a car requires in a year. The better it is, the less of it is used. A temporary saving of two or three dollars in the purchase of a "cheap" oil may result in a hundred-dollar repair bill.

Just why that should be so follows from the peculiar work that an oil is called upon to perform. Many a motor turns over at the rate of twelve hundred revolutions per minute. During a single minute, then, a piston must move back and forth twenty-four hundred times, sucking in the explosive mixture of air and vapor, compressing it, igniting it, and exhausting it. Between the cylinder and the piston is a film of oil—a film so thin that its thickness is less than three-thousandths of an inch. Without that film the piston could not move; it would cling to the cylinder wall. It is the business of the chemist to give the oil sufficient body to withstand heat and to separate the piston and its cylinder. If an oil has poor body—a bad oil for the automobile—it cannot lubricate long. Piston rings will break and cylinder walls will be scored. With other parts of the car it is the same—with bearings, connecting rods, and wrist pins. Only an oil which has been evolved after much scientific research to meet the needs of the automobile will prevent that wear and tear which manifests itself in the hideous "knocking" which is sometimes heard on the road.

The Care of a Motor Car

A PREMIUM worth from \$100. to \$500. given free with every car! Sounds rather foolish, doesn't it?

If any automobile manufacturer should have the necessary nerve to emblazon that statement in his advertising, a few of his readers might write him immediate letters of inquiry, but the chances are that most of them would mentally consign him to the "booby hatch."

Yet as an actual matter of real fact, not one but all up-to-date automobile manufacturers could so advertise with perfect propriety and truth, and get away with it, because they are doing this very thing. However strange this may seem to you, it is even more incredible, but also absolutely true, that the recipients of these valuable articles rarely, if ever, recognize their value. More frequently they turn up their noses and cast them aside as not worth preserving. This is happening every day.

Now, before you apply that national epithet made famous by our beloved T. R., please have an apology ready. The premium referred to is the Instruction Book that is furnished with every new automobile. Were it carefully read and followed, it would save the owner many unnecessary and expensive repair bills, many days without the use of his car and not a few distressing entries on his page of the recording angel's ledger.

Here's a real problem in psychology. Why will a man spend days, week or months in selecting a car, invest a goodly sum of this world's goods to become its owner and then omit to spend a few short hours in learning how to handle his purchase so as to get from it the unfailing service that the maker has put into it and that every car owner desires? An unanswerable question. It is a conundrum that has puzzled some of the most symmetrical and well-balanced heads devoted to the manufacture and sale of automobiles.

It is a curious commentary on human nature that automobile manufacturers find it necessary to spend thousands of good

dollars every year in attractively dressing up their Instruction Books so as to tempt the car owner into acquiring some few rudiments of automobile care; as for example, that the cooling system is inoperative in the absence of water, that the clutch is designed to accelerate the car smoothly and not hoppingly like a kangaroo, and above all, that it is not axiomatic, that because certain grease cups and oil holes are of necessity somewhat inaccessible, they can be supplied with lubricant by the absent treatment.

The average car owner looks on the Instruction Book as a kind of first-aid-to-the-injured cabinet of wisdom, a good thing to have at hand in case trouble develops. He cannot seem to get the idea that the real function of an Instruction Book is to prevent trouble rather than simply to assist in its diagnosis and cure.

It is true that car builders, after many years of endeavor, have gone far toward eliminating the necessity for instruction books by building cars that call for hardly human intelligence on the part of their owners, but there still remains the need that the work of those clever automobile engineers should be supplemented by reasonable care and attention on the part of car owners.

Now here's some real meat on car care, which may for convenience be considered under two general headings.

Maintenance—Keeping the Car Itself in Condition

First, may be considered the conservation of the fabric of the car, so that it will do its work smoothly, efficiently and uninterruptedly over a period of sober, serviceable years, instead of being consumed in a colorful but costly career lasting only for a few strenuous repair-shop-seeking months.

Operation—Cost of Getting Over the Road

Second, the car owner who wishes to get full value for his money should give considerable thought to reducing operating expenses by avoiding waste of fuel and lubricants. He must also avoid wasting any of the useful life of those parts of the car which are naturally subject to wear and tear and which require

periodic renewal. The most important of these from the point of view of operating expenses are the tires and the storage battery, which on the modern car furnishes current for starting, lighting and ignition.

How Car and Care are Related

Now back to our first consideration. With respect to the conservation of the fabric of the car, it may be a disagreeable surprise to many car owners to learn that in the opinion of car manufacturers, progressive repairmen and others whose experience should qualify them to speak with authority, fully one-half of the service value of most cars is frittered away because of neglect by the owner of elemental care. That is certainly some bump to our pride, but, unfortunately, it is true.

Lubrication—The First Auto Habit

This neglect is not so often wilful as ignorant—the average car owner having never taken the pains to determine the boundary line between reasonable use and abuse. Automobile, meaning “moves itself,” does not mean “cares for itself.” In the department of lubrication the average owner feels that if he supplies oil and grease with reasonable fidelity, it is quite permissible for him to be occasionally neglectful. Here’s where he slips. The wear in a bearing run dry for however short a period cannot be made good by any amount of subsequent lubrication. A fact worth remembering.

Call him a “crank” if you will—but here’s how one car owner solved the lubricating problem:

He had made a hundred copies of the lubrication chart shown in his instruction book. He hung these on a clip in his garage and at regular intervals went over his car applying oil or grease at all points as indicated on the chart, checking each oil or grease cup on the chart as he applied the lubricant. He then hung in a conspicuous place on another clip the chart he had checked, after having dated it, the date to be used as a reminder of the next time for oiling.

All parts must be kept lubricated at all times. This is the first and most important rule of car care.

Those Little Adjustments and Repairs

Next in importance to lubrication comes the making of minor adjustments and repairs as soon as the need for them is noted. The homely old saying, "A Stitch in Time Saves Nine," applies right here. Not only does the habit of prompt repair of minor wear and tear contribute to the long life and reliable operation of the car, but it is also the best kind of safety insurance. Right here it must be said that a suit of overalls and a pair of cheap gloves are one of the best investments an autoist can make.

Every car driver writes a section of his autobiography on and into the fabric of the automobile he drives. It is writing that is familiar to and decipherable by every repair man. It is often pretty sad reading. The repairman finds it on the scored walls of engine cylinders, telling of failure to replenish the crank case oil, or perhaps on the misshapen corners of transmission gears, mute yet eloquent witnesses to the dragging clutch that made every gear change a harrowing episode, and which ten minutes' work would have adjusted, but which was neglected day after day. And he finds it in broken springs and strained axles, in frost-cracked cylinder jackets and in all the grease-starved, worn and noisy loose joints and bearings of brakes and brake rods, of radius rods, of steering connections and of those many other little-regarded, out-of-the-way parts where, in the operation of the car, metal moves against metal.

Water and Paint

Chassis care and upkeep contribute to good operation. Care and upkeep of the body, top and, in fact, the entire finished surface of the car, contribute to a continued good appearance. Paint and varnish are preserved by frequent and careful washings and especially by occasional applications of some one of the many reliable preparations which protect and give new life to the finish. Apart from appearances, the paint and varnish preserve the body by preventing the absorption of moisture, which will quickly enter through paint cracks and rot away the wooden framing.

Out On the Road

Judicious operation of the car on the road will also help in no small way to conserve the bank account of the owner. All parts of the car are necessarily made as light as the service required of them permits, yet with strength to withstand all necessary strains with a reasonable factor of safety. Even legitimate emergency conditions have been given consideration. But to run a heavily loaded car over rough roads at high speed, to stop and start violently, and the like, cannot fail to subject the parts to excessive and unnecessary strains. The parts so strained may not immediately give way, but the best of steel, like human flesh, is subject to fatigue and deterioration when its strength is overtaxed.

Gas—How Many Miles per Gallon?

Let us now take up the second heading of car care. In view of the mounting price of gasoline, the subject of fuel economy has become of vital importance. The American motorist can, however, take such cold comfort as he can find in the thought that his brothers over-seas have for a number of years paid even higher prices for their fuel. Because of this more attention has in the past been paid to fuel economy abroad than has been paid here, where the lower cost of fuel has permitted us to subordinate economy to ease of starting, flexibility, freedom from the necessity of frequent carburetor adjustment and matters of this kind. With gasoline promising to reach an even higher level in the near future, automobile manufacturers will undoubtedly apply themselves to reducing fuel consumption per mile. In a large part, this can be accomplished only by more accurate adjustments of mixture. To maintain the higher standard of economy which can thus be reached, it will be necessary for the car owner to supplement the work of the manufacturer and engineer by frequent checking of fuel consumption and prompt correction of any derangement of adjustment. There are few cars now running over the roads of this country whose performance from the point of view of fuel consumption couldn't be greatly improved if the car owner were willing to give the matter a little study. Care in the selection and use of cylinder oil, grease and lubricants generally will also pay good dividends in better performance of the car and the saving of many a dime.

Tires—Four On Every Car

Another big opportunity for the thrifty motorist is the saving that can be effected by proper care of tires. Statisticians tell us that the yearly bill for tires in this country alone is in the neighborhood of \$140,000,000, and that \$40,000,000 of this is wasted—the price of underinflation, overloading, neglect of small cuts and other forms of tire abuse.

"I'll pump it up later," is a thief that has dug deep into the pockets of many motorists. Every motorist should own a tire gauge and religiously keep his tires inflated to the proper pressure.

Pleasure cars are frequently overloaded. Oversized tires generally give more value as a return than the extra money which they cost. A slightly overloaded tire will depreciate much faster than most people would suppose.

Too many motorists have formed the habit of relying on their ability to obtain an adjustment to protect them from the consequences of their own neglect. Tire manufacturers generally deplore the fact that the adjustment policy has become so firmly fixed upon the industry. It was adopted years ago when tire making was not the exact science that it is to-day. Defective tires were not uncommon, and the tire manufacturer was not only willing but anxious to make good the defects he was powerless to prevent. Now-a-days a really defective tire is seldom turned out by a reputable manufacturer. But although the need for it no longer exists, the adjustment policy has become, as most tire manufacturers and many motorists realize, a kind of vicious circle. So many claims for adjustment are made on account of low mileage due to abuse rather than a defect in the tire, that the tire manufacturer is, in self-defense, obliged to make provision for adjustments in fixing his prices. This means that the careful and conscientious tire user is paying for the neglect of the careless tire user. Motorists and tire manufacturers alike recognize and deplore this condition. It is to be hoped that tire manufacturers will get together in the near future and abolish what has become a real evil. The adjustment policy is an evil because it fosters tire neglect. It should be done away with and the present cost of adjustment taken off tire prices. In no other way can proper tire care be really encouraged and a large part of that \$40,000,000 annual tire wastage saved.

The Much and Often Abused Storage Battery

One of the greatest improvements made in automobiles was the elimination of hand cranking and the introduction of electric starters. You are willing to admit that a car without an electric starter is only half a car. You depend on your starter, but remember that your starter depends upon a storage battery.

Poor battery. Because it is usually hidden under the seat or in some other out of the way place, it seldom gets the little attention it requires and the proper compensation for all the hard work it does—and it's only a little care that a storage battery really needs. Proper, and the right amount of, food and an occasional drink about covers it. Its food consists of electric current fed to it by the generator. Whether or not it is receiving proper nourishment can be easily and quickly determined by a hydrometer syringe, which registers the specific gravity of the solution in the cells. A healthy battery should show a gravity of between 1.250 and 1.300. For a drink a storage battery always prefers distilled water (never acid) about once in two weeks—sufficient water to just cover the tops of the battery plates. Remember the water in the solution gradually evaporates, but never the acid. A battery should also be kept clean and dry—even though it is not exposed to view.

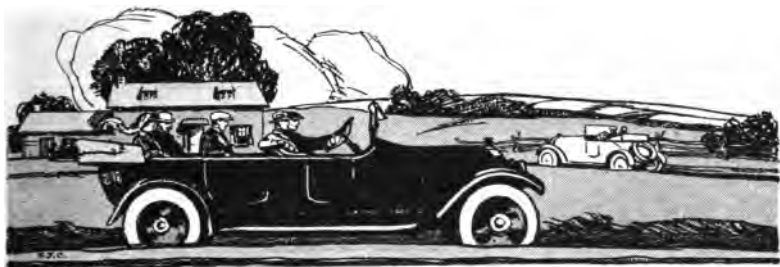
And while discussing the electrical system for starting, lighting or ignition, it should be added that in case of any trouble the first thing to do is to carefully examine all of the wiring. All contacts should be kept clean and bright, with all terminals and connections screwed tightly in place. Examine carefully to be sure none of the insulation has been rubbed or burned from the wires.

The Dollars and Sense Side

What is the life of a motor car? Does it pay to spend time and money in caring for a car or is it more economical to buy a car, "run it out" and then replace it? How should a motorist handle a car in order to get the maximum service at a minimum cost? These are pertinent questions in connection with the care of a car.

The experience of one of the largest automobile operating companies in the country will perhaps best answer these questions. A study of this subject by expert engineers over a period of a number of years proved that the life of an automobile is practically indefinite provided it is given proper care and attention. A dollar saved by omitting to make good ordinary wear and tear in due season is almost sure to result in two dollars' loss in the service and therefore the resale value of a car.

There is hardly a motorist who cannot call to mind some friend or acquaintance who is to-day running a car of the vintage of 1910 or 1912 and who is getting out of it as reliable and economical service as he did when the car was new. An investigation will always prove that such owners are giving prompt and careful attention to all details of the car and that any troubles that may develop are given immediate and intelligent attention. This much is certain—good care means reliable service and long life.



N. A. C. C. HORSE-POWER RATING

The standard horse-power rating, formerly known as the A. L. A. M. Rating, has been officially adopted by the National Automobile Chamber of Commerce, Inc.

The formula adopted is $\frac{D^2 \times N}{2.5}$. D is the cylinder bore in inches, N the number of cylinders, and 2.5 a constant, based on the average view of eminent engineers as to a fair, conservative rating for a four-cycle motor at one thousand feet per minute piston speed.

TABLE OF HORSE-POWER FOR USUAL SIZES OF MOTORS

Ins.	2 Cyls.	4 Cyls.	6 Cyls.	8 Cyls.	12 Cyls.
2½	5.00	10.00	15.00	20.00	30.00
2⅝	5.50	11.03	16.54	22.05	33.08
2¾	6.00	12.10	18.15	24.20	36.30
2⅞	6.62	13.23	19.84	26.45	39.68
3	7.20	14.40	21.60	28.80	43.20
3⅛	7.81	15.63	23.44	31.25	46.88
3¼	8.50	16.90	25.35	33.80	50.70
3⅜	9.12	18.23	27.34	36.45	54.68
3½	9.80	19.60	29.40	39.20	58.80
3⅝	10.50	21.03	31.54	42.05	63.08
3¾	11.25	22.50	33.75	45.00	67.50
3⅞	12.00	24.03	36.04	48.05	72.08
4	12.80	25.60	38.40	51.20	76.80
4⅛	13.62	27.23	40.84	54.45	81.68
4¼	14.50	28.90	43.35	57.80	86.70
4⅜	15.31	30.63	45.94	61.25	91.88
4½	16.20	32.40	48.60	64.80	97.20
4⅝	17.12	34.23	51.34	68.45	102.68
4¾	18.00	36.10	54.15	72.20	108.30
4⅞	19.00	38.03	57.04	76.05	114.08
5	20.00	40.00	60.00	80.00	120.00
5⅛	21.00	42.03	63.04	84.05	126.08
5¼	22.00	44.10	66.15	88.20	132.30
5⅜	23.00	46.23	69.34	92.45	138.68
5½	24.20	48.40	72.60	96.80	145.20
5⅝	25.31	50.63	75.94	101.25	151.88
5¾	26.50	52.90	79.35	105.80	158.70
5⅞	27.62	55.23	82.84	110.45	165.68
6	28.80	57.60	86.40	115.20	172.80

**ILLUSTRATIONS AND
SPECIFICATIONS
G A S O L I N E
P A S S E N G E R
V E H I C L E S**

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3⅛	7.81	15.63	23.44	31.25	46.88
3¼	8.50	16.90	25.35	33.80	50.70
3⅝	9.12	18.23	27.34	36.45	54.68
3½	9.80	19.60	29.40	39.20	58.80
3⅞	10.50	21.03	31.54	42.05	63.08
3¾	11.25	22.50	33.75	45.00	67.50
3⅞	12.00	24.03	36.04	48.05	72.08
4	12.80	25.60	38.40	51.20	76.80
4⅛	13.62	27.23	40.84	54.45	81.68
4¼	14.50	28.90	43.35	57.80	86.70
4⅝	15.31	30.63	45.94	61.25	91.88
4½	16.20	32.40	48.60	64.80	97.20
4⅞	17.12	34.23	51.34	68.45	102.68
4¾	18.00	36.10	54.15	72.20	108.30
4⅞	19.00	38.03	57.04	76.05	114.08
5	20.00	40.00	60.00	80.00	120.00
5⅛	21.00	42.03	63.04	84.05	126.08
5¼	22.00	44.10	66.15	88.20	132.30
5⅝	23.00	46.23	69.34	92.45	138.68
5½	24.20	48.40	72.60	96.80	145.20
5⅞	25.31	50.63	75.94	101.25	151.88
5¾	26.50	52.90	79.35	105.80	158.70
5⅞	27.62	55.23	82.84	110.45	165.68
6	28.80	57.60	86.40	115.20	172.80

**ILLUSTRATIONS AND
SPECIFICATIONS
GASOLINE
PASSENGER
VEHICLES**

**LIBERTY
MOTOR CAR
COMPANY**

**DETROIT
MICHIGAN**

Prices.....	\$1195
Closed Coupelet.....	\$1195
Brougham.....	\$2450
Five Passenger Detachable Sedan.....	\$1395
Four Passenger Detachable Sedan.....	\$1395
Chassis only.....	\$1085



5-PASSENGER TOURING

COLOR	Black, gray and green	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five persons	RADIATOR	Honeycomb
POSITION OF DRIVER	Left side	COOLING	Thermo syphon
WHEELBASE	115 inches	IGNITION	Storage battery
GAUGES	56 inches	STARTING SYSTEM .	Electric
WHEELS	Artillery	STARTER OPERATED .	Foot
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Six
SERVICE BRAKE . . .	On rear wheel	WIRING SYSTEM . .	Grounded
EMERGENCY BRAKE .	On transmission	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	TRANSMISSION . . .	Sliding selective
ARRANGED	Vertically	GEAR CHANGES . .	Three forward and reverse
CAST	En bloc	REAR AXLE	Semi floating
HORSEPOWER	23.44 (N. A. C. C. Rating)	STEERING GEAR . .	Worm and wheel
BORE AND STROKE .	3 1/4 x 4 1/2 inches		

**JORDAN
MOTORCAR
COMPANY**

**CLEVELAND
O H I O**

Price, Four Passenger with
Wire Wheels\$1750
Seven Passenger\$1650*
Roadster.....\$1650*
Sedan.....\$2350*
Coupe.....\$2300*
Limousine.....\$3000*
*Wire Wheels \$100 extra.



JORDAN 4-PASSENGER SPORT MODEL

COLOR	Maroon and venetian green	RADIATOR	Fedders
SEATING CAPACITY	Four persons	COOLING	Centrifugal pump
POSITION OF DRIVER	Left side	IGNITION	High tension magneto
WHEELBASE	127 inches	STARTING SYSTEM	Electric
GAUGE	56 inches	STARTER OPERATED	Foot pedal
WHEELS	Wire	LIGHTING SYSTEM	Electric
FRONT TIRES	Plain tread	VOLTAGES	Six
REAR TIRES	Non-skid	WIRING SYSTEM	Single
SERVICE BRAKE	Contracting	GASOLINE SYSTEM	Vacuum
EMERGENCY BRAKE	Expanding	CLUTCH	Dry multiple disc
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward and reverse
CAST	En bloc	DRIVE	Internal gear
HORSEPOWER	29.4 (N. A. C. C. Rating)	REAR AXLE	Semi-floating
BORE AND STROKE	3½ x 5¼ inches	STEERING GEAR	Worm
LUBRICATION	Combined force feed and splash		

BEN - HUR MOTOR COMPANY

CLEVELAND, OHIO

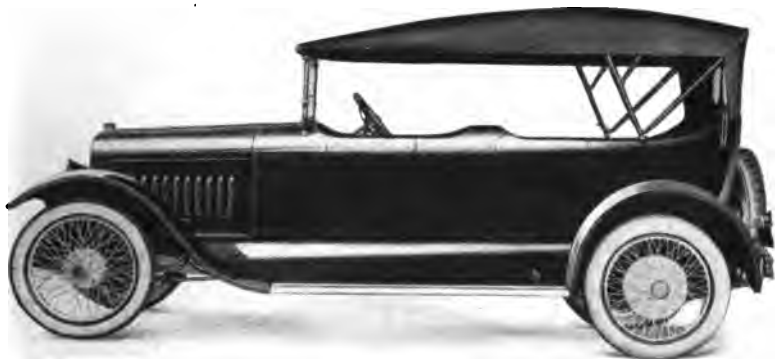
Prices, Five- and seven-passenger touring.. \$1875
Seven-passenger Sedan..... \$2750
Four-passenger Roadster..... \$1875



BEN HUR TOURING CAR

COLOR	Touring car—Ben-Hur blue	BORE AND STROKE	3½ inch bore, 5½ inch stroke
CARRYING CAPACITY	Five and seven persons	LUBRICATION	Combination force and splash system
POSITION OF DRIVER	Left side	RADIATOR	Ben-Hur Special A-Z
WHEELBASE	126 inches	COOLING	Water, centrifuga pump
WHEELS	Special artillery or 34-inch wire.	IGNITION	High tension magneto
FRONT TIRES	35 x 4½ inches plain tread	STARTING SYSTEM	Separate motor
REAR TIRES	35 x 4½ inches "geared-to-the-road"	LIGHTING SYSTEM	Separate generator
SERVICE BRAKE	Contracting on rear wheel drums	GASOLINE SYSTEM	Vacuum feed
EMERGENCY BRAKE	Expanding on rear wheel drums	CLUTCH	Dry disc, asbestos on steel
CYLINDERS	Six. L-head design	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward
CAST	En bloc	DRIVE	Spiral bevel gears
HORSEPOWER	29.4 (N.A.C.C. Rating)	REAR AXLE	Floating type
		STEERING GEAR	Semi-irreversible worm and nut type

In addition to above specifications price includes speedometer, electric motor driven horn, clock, oil pressure gauge, ammeter, instrument lamp, transmission driven tire pump, motometer, extra wheel mounted on carrier in rear, special ignition and lighting switch provided with lock to prevent theft of car, tools, jack, tire repair outfit and spotlight.



"HAL TWELVE"

COLORS	Body, Blue, Green, Maroon, Gray, striping optional	HORSEPOWER	39.68 (N. A. C. C. Rating)
SEATING CAPACITY .	Seven persons	BORE AND STROKE . .	2 $\frac{1}{4}$ x 5 inches
POSITION OF DRIVER	Left side	LUBRICATION	Full force feed
WHEELBASE	135 inches	RADIATOR	Cellular
GAUGE	56 inches	COOLING	Thermo-syphon
WHEELS	Wire or wood	IGNITION	Storage battery
FRONT TIRES	34 x 4 $\frac{1}{2}$ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 $\frac{1}{2}$ inches	WIRING SYSTEM . . .	Single
SERVICE BRAKE . . .	Contracting on rear transmission shaft	GASOLINE SYSTEM . .	Vacuum
EMERGENCY BRAKE .	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Twelve	TRANSMISSION	Selective sliding
ARRANGED	V-type	GEAR CHANGES . . .	Three
CAST	In threes	DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications price includes top, windshield, speedometer, ammeter, motometer, motor driven horn and clock.

**B A R L E Y
MOTOR CAR
C O M P A N Y**

**S T R E A T O R
I L L I N O I S**

Price,\$1850 F.O.B. Factory
Roadster\$2150 " "
Four-Passenger Sedan\$2650
Six-Passenger Town Car\$2950 and upwards
ROAMER "Ninety" Six-Pas. \$2850 F.O.B. Factory



ROAMER TOURING CAR

COLOR	Optional	BORE AND STROKE . . .	3¼ x 5 inches
POSITION OF DRIVER .	Left side	LUBRICATION	Splash, and positive plunger pump system
WHEELBASE	126 inches	RADIATOR	Honeycomb type
GAUGE	56 inches	COOLING	Positive centrifugal water pump circulation
WHEELS	Wire—one extra	IGNITION	High-tension magneto
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 inches	GASOLINE SYSTEM . .	Vacuum feed
SERVICE BRAKE	Internal expanding, acting on rear wheels	CLUTCH	Three plate dry disc type
BRAKE DRUM	14 x 4 inches	TRANSMISSION	Selective sliding gear drive
EMERGENCY BRAKE . .	Internal expanding, acting on rear wheels compensated by equalizer	GEAR CHANGES . . .	Three speeds forward, one reverse
CYLINDERS	Six	REAR AXLE	Full floating
ARRANGED	Vertically	STEERING GEAR	Improved worm and split nut type
CAST	En bloc		
HORSEPOWER	25.35 (N. A. C. C. Rating)		

SIMPLEX AUTOMOBILE COMPANY

NEW YORK
NEW YORK

Price, Chassis \$6000



SIMPLEX TOURING LANDAULET

COLOR	Optional	LUBRICATION	Pressure feed
SEATING CAPACITY	Dependent on body selected	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	143½ inches	IGNITION	High tension mag- neto and storage battery
GAUGE	56½ inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Geared to fly-wheel
FRONT TIRES	34 or 36 x 4½ ins.	LIGHTING SYSTEM	Electric
REAR TIRES	35 or 37 x 5 inches	VOLTAGES	Six
SERVICE BRAKE	Contracting on main transmission shaft	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Single disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In three	GEAR CHANGES	Four forward
HORSEPOWER	45.94 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	4¾ x 6¼ inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications price includes front fenders, double bulb head-lights, side lights, reel trouble light, tail light, voltmeter or cowl light, speedometer light, running boards completely trimmed, shock absorbers, front and rear, tire carriers, trunk rack, storage battery, electric horn, motometer, all dash instruments, speedometer, jack and tools.

AMERICAN MOTORS CORPORATION

PLAINFIELD
NEW JERSEY

Price.....\$1285



AMERICAN SIX TOURING CAR "A"

COLOR	Dark blue	LUBRICATION	Circulating splash
SEATING CAPACITY	Five persons	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water—Centrifugal pump
WHEELBASE	122 inches	IGNITION	Generator-storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Drive to fly-wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	External contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Internal expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three
CAST	En bloc	DRIVE	Spiral bevel
HORSEPOWER	21.6 (N. A. C. C. Rating)	REAR AXLE	Three-quarter floating
BORE AND STROKE	3 x 5 inches	STEERING GEAR	Screw and nut

In addition to above specifications price includes top, top hood, windshield, speedometer, ammeter, engine-driven tire pump, motometer, and demountable rims, jack and tools.



STEARNS-KNIGHT EIGHT

COLOR	Body, Stearns Brewster green; running gear, black	BORE AND STROKE .	3 1/4 x 5 inches
SEATING CAPACITY .	Seven	LUBRICATION	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	123 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	35 x 4 1/2 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	35 x 4 1/2 inches	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on transmission shaft	VOLTAGES	Twelve
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	33.8 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock and demountable rims



STEARNS-KNIGHT FOUR LIMOUSINE

COLOR	Body, Stearns Royal green; run- ning gear, black	BORE AND STROKE .	3¼ x 5½ inches
SEATING CAPACITY .	Seven	LUBRICATION . . .	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	119 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM .	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	34 x 4 inches	LIGHTING SYSTEM .	Electric
SERVICE BRAKE . . .	Contracting on transmission shaft	VOLTAGES	Twelve
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . .	Single
CYLINDERS	Four	GASOLINE SYSTEM .	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION . . .	Selective sliding
HORSEPOWER	22.5	GEAR CHANGES . .	Three
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes wind-
shield, speedometer, ammeter and demountable rims

**V E L I E
M O T O R
V E H I C L E
C O M P A N Y**
MOLINE, ILLINOIS

Price	\$1135
With Detachable Sedan Top . . .	1335
Two-Passenger Roadster	1115
Four-Passenger Roadster	1135
Four-Passenger Coupe	1750
Five-Passenger Town Car	2200
Five-Passenger Touring Sedan . .	1685
Three-Passenger Cabriolet	1485



VELIE "BILTWEL" SIX—28

COLOR	Velie blue or beige	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	115 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED.	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE . .	3¼ x 4½ inches	REAR AXLE	Semi-floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn, tire pump and demountable rims

VELIE MOTOR VEHICLE COMPANY

Price, \$1600

MOLINE, ILLINOIS



VELIE "BILTWEL" SIX—27

COLOR	Velie green or beige	LUBRICATION . . .	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	124 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Four forward, one reverse
HORSEPOWER	29.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3½ x 5½ inches	REAR AXLE	Semi-floating
		STEERING GEAR . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

GRANT MOTOR CAR CORPORATION

CLEVELAND, OHIO

Price	\$825
Cabriolet	1050
Touring Sedan	1000
Roadster Sedan	960



GRANT SIX TOURING—K

COLOR	Body, Brewster green; running gear, black	BORE AND STROKE	3 x 4¼ inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	112 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 3½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 3½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	21.6	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and segment

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

KING MOTOR CAR COMPANY

Price, \$1585

DETROIT
MICHIGAN



KING EIGHT TOURING

COLOR	Phaeton green	LUBRICATION	Force feed
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	120 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Contracting on propeller shaft	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Eight	CLUTCH	Dry plate
ARRANGED	V type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In fours	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	28.8 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE . .	3 x 5 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

KING MOTOR CAR COMPANY

Price, \$1585

DETROIT
MICHIGAN



KING EIGHT FOURSOME

COLOR	Deep maroon	LUBRICATION	Force feed
SEATING CAPACITY .	Four	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	120 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Contracting on propeller shaft	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Eight	CLUTCH	Dry plate
ARRANGED	V type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In fours .	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	28.8	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE . .	3 x 5 inches	STEERING GEAR . . .	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims



KING EIGHT ROADSTER

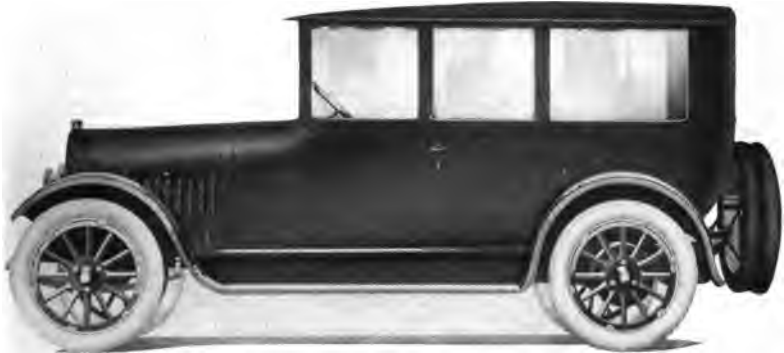
COLOR	French gray	LUBRICATION	Force feed
SEATING CAPACITY .	Three	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	120 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Contracting on propeller shaft	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Eight	CLUTCH	Dry plate
ARRANGED	V type, 90 degrees	TRANSMISSION . . .	Selective sliding
CAST	In fours	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	28.8	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE .	3 x 5 inches	STEERING GEAR . . .	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

KING MOTOR CAR COMPANY

Price, \$2150

DETROIT
MICHIGAN



KING EIGHT SEDAN

COLOR	Beaver brown, deep maroon or sub- urban blue	BORE AND STROKE . . .	3 x 5 inches
SEATING CAPACITY . .	Seven	LUBRICATION	Force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. . .	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM. . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Contracting on propeller shaft	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Dry plate
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	28.8 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and split nut

In addition to above specifications, price includes windshield, speed-ometer, ammeter, tire pump, electric horn and demountable rims

**THE WINTON
C O M P A N Y**
CLEVELAND, OHIO

Price	\$2685
Four-Passenger Touring	2685
Six-Passenger Touring	2735
Seven-Passenger Touring	2735
Runabout	2685
Three-quarter Limousine	3650
Full Four-door Limousine	3900
Sedan	3900
Limousine Landaulet	3900
Coupe	3600
Coupelet	3000



WINTON SIX TOURING—33

COLOR	Optional	RADIATOR	Honeycomb
SEATING CAPACITY .	Five	COOLING	Water pump
POSITION OF DRIVER	Left side	IGNITION	High tension magneto and storage battery
WHEELBASE	128 inches	STARTING SYSTEM .	Two unit
GAUGE	56 inches	STARTER OPERATED	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM .	Electric
FRONT TIRES	36 x 4½ inches	VOLTAGES	Six
REAR TIRES	36 x 4½ inches	WIRING SYSTEM . .	Single
SERVICE BRAKE . . .	Contracting on rear wheels	GASOLINE SYSTEM .	Vacuum
EMERGENCY BRAKE .	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Six	TRANSMISSION . . .	Selective sliding
ARRANGED	Vertically	GEAR CHANGES . .	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	33.75 (N. A. C. C. Rating)	REAR AXLE	Full floating
BORE AND STROKE .	3¼ x 5¼ inches	STEERING GEAR . .	Worm and gear
LUBRICATION	Force feed		

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

THE WINTON C O M P A N Y

CLEVELAND, OHIO

Price	\$4500
Four-Passenger Touring	3500
Five-Passenger Touring	3500
Six-Passenger Touring	3500
Seven-Passenger Touring	3500
Runabout	3500
Full Four-door Limousine	4750
Sedan	4750
Limousine Landaulet	4750
Coupe	4500
Coupelet	3750



WINTON SIX LIMOUSINE—48

COLOR	Optional	RADIATOR	Honeycomb
SEATING CAPACITY	Seven	COOLING	Water pump
POSITION OF DRIVER	Left side	IGNITION	High tension magneto and storage battery
WHEELBASE	138 inches	STARTING SYSTEM	Two unit
GAUGE	56 inches	STARTER OPERATED	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM	Electric
FRONT TIRES	37 x 5 inches	VOLTAGES	Six
REAR TIRES	37 x 5 inches	WIRING SYSTEM	Single
SERVICE BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Vacuum
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	48.6 (N. A. C. C. Rating)	REAR AXLE	Full floating
BORE AND STROKE	4 1/4 x 5 1/2 inches	STEERING GEAR	Worm and gear
LUBRICATION	Force feed		

In addition to above specifications, price includes windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

SAXON MOTOR CAR CORPORATION

DETROIT
MICHIGAN

Price, \$495



SAXON ROADSTER — B5R

COLOR	Body, Acme Cadillac green; running gear and hood, black	BORE AND STROKE	2 3/4 x 4 inches
SEATING CAPACITY	Two	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	96 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	30 x 3 inches, anti-skid	STARTER OPERATED	Chain to crank-shaft
REAR TIRES	30 x 3 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Gravity
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	12.1	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Gear and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, electric horn and demountable rims

SAXON MOTOR CAR CORPORATION

DETROIT
MICHIGAN

Price, \$865



SAXON TOURING — S4T

COLOR	Body, acme Cadillac green; wheels, green; running gear, black	BORE AND STROKE	2 7/8 x 4 1/4 inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	112 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 3 1/2 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 3 1/2 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Gravity
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	19.84	GEAR CHANGES	Three forward, one reverse
	(N. A. C. C. Rating)	DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, electric horn and demountable rims

LOZIER MOTOR C O M P A N Y

DETROIT
MICHIGAN

Price \$2775
Limousine . . . 4450



LOZIER "SIX"—82

COLOR	Lozier blue	LUBRICATION	Splash with circulating pump
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	132 inches	IGNITION	High tension magneto
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	36 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Pressure
CYLINDERS	Six	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	36.04	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE .	3½ x 6 inches	STEERING GEAR . . .	Worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

**MAXWELL
MOTOR
COMPANY
INCORPORATED**

**DETROIT
MICHIGAN**

Price	\$635
Roadster	620
Cabriolet	865
Town Car	915
Sedan	985



MAXWELL TOURING — 25

COLOR	Black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	103 inches	IGNITION	High-tension magneto
GAUGE	56 or 60 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	30 x 3½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	30 x 3½ inches, anti-skid	VOLTAGES	Lighting, six; starting, twelve
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	21.03	DRIVE	Plain bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	3⅝ x 4½ inches	STEERING GEAR	Worm and pinion

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims



HOLLIER TOURING — 186

COLOR	Hollier blue	RADIATOR	Cellular
SEATING CAPACITY .	Five	COOLING	Thermo-syphon
POSITION OF DRIVER	Left side	IGNITION.	Storage battery
WHEELBASE	116 inches	STARTING SYSTEM. .	Single unit
GAUGE	56 inches	STARTER OPERATED .	Chain to crank-shaft
WHEELS	Wood	LIGHTING SYSTEM. .	Electric
FRONT TIRES	32 x 3½ inches	VOLTAGES	Six
REAR TIRES	32 x 3½ inches	WIRING SYSTEM . . .	Single
SERVICE BRAKE . . .	Contracting on rear wheels	GASOLINE SYSTEM . .	Vacuum
EMERGENCY BRAKE .	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES . . .	Three
CAST	En bloc	DRIVE	Plain bevel
HORSEPOWER	21.6	REAR AXLE	Full floating
(N. A. C. C. Rating)		STEERING GEAR	Worm and worm wheel
BORE AND STROKE . .	3 x 4¼ inches		
LUBRICATION	Full splash		

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rims

LEWIS SPRING & AXLE COMPANY

C H E L S E A
M I C H I G A N

Price \$1185
Four-Passenger Roadster . . . 1185



HOLLIER TOURING — 178

COLOR	Hollier blue	RADIATOR	Cellular
SEATING CAPACITY . . .	Five	COOLING	Thermo-syphon
POSITION OF DRIVER . .	Left side	IGNITION	Storage battery
WHEELBASE	116 inches	STARTING SYSTEM . . .	Single unit
GAUGE	56 inches	STARTER OPERATED . .	Chain to crank-shaft
WHEELS	Wood	LIGHTING SYSTEM . . .	Electric
FRONT TIRES	34 x 4 inches	VOLTAGES	Lighting, six; starting, twelve
REAR TIRES	34 x 4 inches	WIRING SYSTEM	Double
SERVICE BRAKE	Contracting on rear wheels	GASOLINE SYSTEM . . .	Vacuum
EMERGENCY BRAKE . . .	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Eight	TRANSMISSION	Selective sliding
ARRANGED	V type, 90 degrees	GEAR CHANGES	Three
CAST	In fours	DRIVE	Plain bevel
HORSEPOWER	28.8	REAR AXLE	Full floating
(N. A. C. C. Rating)		STEERING GEAR	Worm and worm wheel
BORE AND STROKE . . .	3 x 4¼ inches		
LUBRICATION	Full force feed		

In addition to above specifications, price includes top, top hood, windshield, speedometer, electric horn and demountable rims

BUICK MOTOR C O M P A N Y

F L I N T
M I C H I G A N

Price \$675
Two-Passenger Roadster 660



BUICK — D-4-35

COLOR	Black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	106 inches	IGNITION	High-tension generator
GAUGE	56 inches	STARTING SYSTEM . .	Single unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	31 x 4 inches, anti-skid	LIGHTING SYSTEM . .	Electric
REAR TIRES	31 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	18.23 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3½ x 4¾ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Split nut and worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, tire pump, electric horn and demountable rims

BUICK MOTOR C O M P A N Y

F L I N T
M I C H I G A N

Price \$1070
Two-Passenger Roadster . . 1040



BUICK — D-6-45

COLOR	Body and wheels, Buick special green with bronze stripe; hood, fenders and chassis, black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	115 inches	IGNITION	High-tension generator
GAUGE	56 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	3¼ x 4½ inches	STEERING GEAR	Split nut and worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

BUICK MOTOR C O M P A N Y

F L I N T
M I C H I G A N

Price \$1835
Three-Passenger Coupe 1440



BUICK — D-6-47

COLOR	Body and wheels, Buick special green with bronze stripe on wheels; top, hood, fenders and chassis, black	HORSEPOWER	25.35 (N. A. C. C. Rating)
SEATING CAPACITY	Seven	BORE AND STROKE	3 1/4 x 4 1/2 inches
POSITION OF DRIVER	Left side	LUBRICATION	Splash with circulating pump
WHEELBASE	115 inches	RADIATOR	Cellular
GAUGE	56 inches	COOLING	Water pump
WHEELS	Wood	IGNITION	High-tension generator
FRONT TIRES	35 x 4 1/2 inches	STARTING SYSTEM	Single unit
REAR TIRES	35 x 4 1/2 inches, anti-skid	STARTER OPERATED	Gear to fly wheel
SERVICE BRAKE	Contracting on rear wheels	LIGHTING SYSTEM	Electric
EMERGENCY BRAKE	Expanding on rear wheels	VOLTAGES	Six
CYLINDERS	Six	WIRING SYSTEM	Single
ARRANGED	Vertically	GASOLINE SYSTEM	Vacuum
CAST	En bloc	CLUTCH	Cone
		TRANSMISSION	Selective sliding
		GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Split nut and worm

In addition to above specifications, price includes windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

H. H. FRANKLIN MANUFACTUR- ING COMPANY

SYRACUSE
NEW YORK

Price, \$1950



FRANKLIN TOURING—SERIES 9

COLOR	Brewster green	BORE AND STROKE .	3¼ x 4 inches
SEATING CAPACITY .	Five	LUBRICATION . . .	Force feed
POSITION OF DRIVER	Left side	COOLING	Air
WHEELBASE	115 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Single unit
WHEELS	Wood	STARTER OPERATED.	Chain to crank- shaft
FRONT TIRES . . .	32 x 4 inches, anti-skid	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Twelve
SERVICE BRAKE . .	Contracting on transmission	WIRING SYSTEM . .	Double
EMERGENCY BRAKE .	Contracting on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	Separately	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER . . .	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
		STEERING GEAR . .	Worm and gear reversible

In addition to above specifications, price includes top, top hood,
windshield, speedometer, clock, tire pump and electric horn

**LOCOMOBILE
COMPANY
OF AMERICA**

**BRIDGEPORT
CONNECTICUT**

Price	\$6500
Six-Passenger Touring	5400
Seven-Passenger Touring	5400
Seven-Passenger Landaulet	6600
Seven-Passenger Berline	6800
Chassis	4600



LOCOMOBILE "48" LIMOUSINE — M-7

COLOR	Optional	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	142 inches	IGNITION	High tension magneto
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	37 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	37 x 5 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	48.6	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	4½ x 5½ inches	STEERING GEAR	Worm and full sector

In addition to above specifications, price includes windshield, speedometer, voltmeter, clock, tire pump, electric horn and demountable rims

LOCOMOBILE COMPANY OF AMERICA

BRIDGEPORT
CONNECTICUT

Price	\$4600
Six-Passenger Touring	4600
Four-Passenger Touring	4750
Seven-Passenger Limousine	5600
Seven-Passenger Landaulet	5700
Seven-Passenger Berline	5900
Chassis	3850



LOCOMOBILE "38" TOURING — R-7

COLOR	Optional	RADIATOR	Cellular
SEATING CAPACITY	Seven	COOLING	Water pump
POSITION OF DRIVER	Left side	IGNITION	High tension mag- neto and storage battery
WHEELBASE	139 inches	STARTING SYSTEM	Two unit
GAUGE	56 inches	STARTER OPERATED	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM	Electric
FRONT TIRES	36 x 4½ inches	VOLTAGES	Six
REAR TIRES	37 x 5 inches	WIRING SYSTEM	Single
SERVICE BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	43.35 (N. A. C. C. Rating)	REAR AXLE	Full floating
BORE AND STROKE	4¼ x 5 inches	STEERING GEAR	Worm and full sector
LUBRICATION	Force feed and splash		

In addition to above specifications, price includes top, top hood, windshield, speedometer, voltmeter, clock, tire pump, electric horn and demountable rims

**MITCHELL
MOTORS
COMPANY
INCORPORATED**

**R A C I N E
W I S C O N S I N**

Price	\$1460
With Winter Top Only	1760
Five-Passenger Touring	1425
With Winter Top Only	1725
Four-Passenger Cabriolet	1895
Four-Passenger Coupe	1995
Seven-Passenger Sedan	2175
Seven-Passenger Limousine	2785
Five-Passenger Club Roadster	1495



MITCHELL

COLOR	Body, Mitchell dark blue; wheels, white; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Pump over and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**MITCHELL
MOTORS
COMPANY
INCORPORATED**

**R A C I N E
W I S C O N S I N**

Price \$1150
With Winter Top Only 1450
Two-Passenger 1150



MITCHELL JUNIOR

COLOR	Body, Mitchell dark blue; wheels and running gear, black	BORE AND STROKE	3 3/4 x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Pump over and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Helical bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims



COLUMBIA SIX TOURING—D

COLOR	Gray	LUBRICATION	Splash with circulating pump
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	115 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES.	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 4½ inches	REAR AXLE	Full floating
		STEERING GEAR . .	Worm and full gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

**NASH MOTORS
C O M P A N Y**

**K E N O S H A
W I S C O N S I N**

Price \$1465
Roadster 1435
Sedan 1630



JEFFERY SIX—671

COLOR	Midnight blue	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION.	Delco system
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Contracting on transmission	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE . .	3½ x 4½ inches	STEERING GEAR . . .	Worm and wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

REO MOTOR CAR COMPANY

**LANSING
MICHIGAN**

Price	\$1225
Four-Passenger Roadster	1150
Four-Passenger Roadster with Convertible Top	1300
Seven-Passenger Sedan	1750



THE REO SIX TOURING—M

COLOR	Body, green; wheels, brown	LUBRICATION	Splash with cir- culating pump
SEATING CAPACITY	Seven	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	126 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Chain to trans- mission shaft
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Double
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	30.43 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3½ x 5½ inches	REAR AXLE	Full floating
		STEERING GEAR	Pinion and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

REO MOTOR CAR COMPANY

**LANSING
MICHIGAN**

Price	\$875
Three-Passenger Roadster . . .	875
Three-Passenger Roadster with Convertible Top	1025
Five-Passenger Touring with Convertible Top	1025



REO THE FIFTH — R

COLOR	Body, green; wheels, brown	LUBRICATION	Splash with cir- culating pump
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	115 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Chain to trans- mission shaft
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4 inches anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . .	Double
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Gravity
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	In pairs	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	27.23 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	4½ x 4½ inches	REAR AXLE	Semi-floating
		STEERING GEAR . . .	Pinion and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**M E R C E R
A U T O M O B I L E
C O M P A N Y**

**T R E N T O N
N E W J E R S E Y**

Price \$3500
Four-Passenger Sporting 3500



M E R C E R 22-73 T O U R I N G

COLOR	Blue, green, maroon, brown or gray	LUBRICATION	Full force feed
SEATING CAPACITY .	Six	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	132 inches	IGNITION.	High tension magneto
GAUGE	56 inches	STARTING SYSTEM. .	Single unit
WHEELS	Wood	STARTER OPERATED .	Fly wheel generator
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4½ inches	VOLTAGES	Twelve
SERVICE BRAKE . . .	Expanding on transmission	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Four forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 6¾ inches	REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn, clock and demountable rims



MERCER 22-73 RUNABOUT

COLOR	Blue, green, ma- roon, brown or gray	LUBRICATION . . .	Full force feed
SEATING CAPACITY .	Two	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	115 inches	IGNITION.	High tension magneto
GAUGE	56 inches	STARTING SYSTEM. .	Single unit
WHEELS	Wood	STARTER OPERATED .	Fly wheel generator
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Twelve
SERVICE BRAKE . . .	Expanding on transmission	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Four forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 6¾ inches	REAR AXLE	Full floating
		STEERING GEAR . .	Worm and gear

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, clock, electric horn and demountable rims

MERCE R AUTOMOBILE COMPANY

Price, \$3250

TRENTON
NEW JERSEY



MERCER 22-73 RACEABOUT

COLOR	Yellow, gray or gunmetal	LUBRICATION	Full force feed
SEATING CAPACITY .	Two	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	115 inches	IGNITION	High tension magneto
GAUGE	56 inches	STARTING SYSTEM . .	Single unit
WHEELS	Wire	STARTER OPERATED .	Fly wheel generator
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Twelve
SERVICE BRAKE . . .	Expanding on transmission	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Four forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE . .	3¼ x 6¾ inches	REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes speed-ometer, ammeter, clock, electric horn and extra wire wheel

SCRIPPS-BOOTH C O M P A N Y

D E T R O I T
M I C H I G A N

Price, \$1175



SCRIPPS-BOOTH CLOVERLEAF — D

COLOR	Body, blue-black or gray; running gear, black; wheels, white	LUBRICATION	Full force feed
SEATING CAPACITY .	Four	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	120 inches	IGNITION	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM .	Two unit
WHEELS	Wire	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Eight	CLUTCH	Dry multiple disc
ARRANGED	V type, 90 degrees	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward and reverse
HORSEPOWER	22.05 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	2½ x 3¼ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and extra wire wheel

NORDYKE & MARMON COMPANY

INDIANAPOLIS
I N D I A N A

Price	\$3100
Five-Passenger Touring	3050
Four-Passenger Club Roadster.	3100
Three-Passenger Club Roadster	3100



MARMON TOURING—34

COLOR	Blue, gray or maroon	LUBRICATION	Full force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	136 inches	IGNITION.	High tension magneto
GAUGE	56 inches	STARTING SYSTEM.	Two unit
WHEELS	Wire	STARTER OPERATED.	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM.	Electric
REAR TIRES	34 x 4½ inches	VOLTAGES	Twelve
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE.	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	33.75	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	3¼ x 5½ inches	STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, clock, electric horn and extra wire wheel

**NORDYKE &
MARMON
COMPANY**
INDIANAPOLIS
INDIANA

Price	\$4550 to 5400
Landaulet	4650 to 5500
Town Car	4650 to 5500
Convertible Sedan	4100



MARMON LIMOUSINE — 34

COLOR	Blue, green or maroon	LUBRICATION	Full force feed
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	136 inches	IGNITION	High tension magneto
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wire	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 5 inches	VOLTAGES	Twelve
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	33.75 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3¼ x 5½ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes, windshield, speedometer, ammeter, voltmeter, clock, electric horn and extra wire wheel

**OAKLAND
MOTOR CAR
COMPANY**

**PONTIAC
MICHIGAN**

Price	\$875
Roadster	875
With Convertible Sedan Top	1020
With Convertible Coupe Top	995



OAKLAND TOURING — 34

COLOR	Body, hood and wheels, dark coach green; chassis and fenders, black	BORE AND STROKE	2½ x 4¾ inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	112 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CANT	In bloc	TRANSMISSION	Selective sliding
HORSEPOWER	18.98 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rims

OAKLAND MOTOR CAR COMPANY

PONTIAC
MICHIGAN

Price, \$1585



OAKLAND TOURING—50

COLOR	Body, green; chassis, black	BORE AND STROKE	3½ x 4½ inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	39.2 (N. A. C. C. Rating)	GEAR CHANGES	Three forward one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, electric horn and demountable rims

INTER-STATE MOTOR COMPANY

M U N C I E
I N D I A N A

Five-Passenger Touring . . .	} Prices Upon Applica- tion
Two-Passenger Roadster . . .	
Divided Seat Touring . . .	
Four-Passenger Roadster . . .	
Five-Passenger Sedan . . .	



INTER-STATE TOURING—T

COLOR	Blue-black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	110 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	33 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	33 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	19.6 (N. A. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE	3 1/2 x 5 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, indicator, tire pump, electric horn and demountable rims

BRISCOE MOTOR CORPORATION

JACKSON
MICHIGAN

Price	\$685
Four-Passenger Club Roadster	685
Two-Passenger Runabout	685
Delivery Car	725



BRISCOE TOURING — B 4-24

COLOR	Body, green; wheels, yellow; fenders, black	BORE AND STROKE	3 $\frac{1}{8}$ x 5 $\frac{1}{8}$ inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	105 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	30 x 3 $\frac{1}{2}$ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	30 x 3 $\frac{1}{2}$ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Gravity
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	16.25 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Plain bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

HUDSON MOTOR CAR COMPANY

DETROIT
MICHIGAN

Price	\$1950
Phaeton	1650
Roadster	1650
Limousine	2925
Touring Sedan	2175
Town Car	2925
Town Car Landaulet	3025
Limousine Landaulet	3025



HUDSON SUPER-SIX CABRIOLET

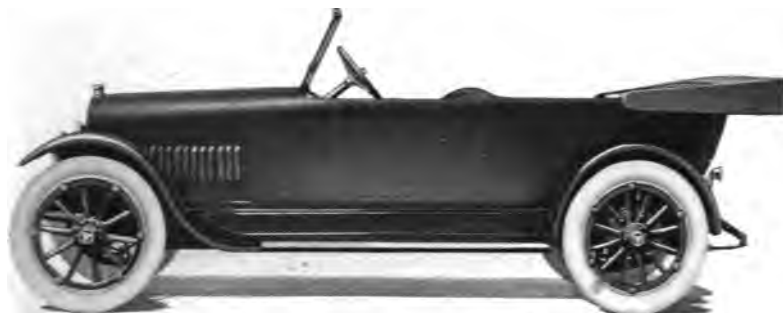
COLOR	Body, blue; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Three	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

HUDSON MOTOR CAR COMPANY

DETROIT
MICHIGAN

Price	\$1650
Roadster	1650
Cabriolet	1950
Limousine	2925
Touring Sedan	2175
Town Car	2925
Town Car Landaulet	3025
Limousine Landaulet	3025



HUDSON SUPER-SIX PHAETON

COLOR	Body, blue; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**H U D S O N
M O T O R C A R
C O M P A N Y**

**D E T R O I T
M I C H I G A N**

Price	\$2175
Phaeton	1650
Roadster	1650
Cabriolet	1950
Limousine	2925
Town Car	2925
Town Car Landaulet	3025
Limousine Landaulet	3025



HUDSON SUPER-SIX TOURING SEDAN

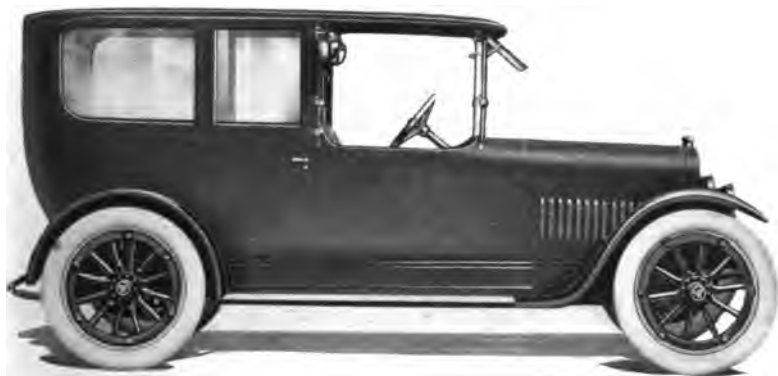
COLOR	Body, blue; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

HUDSON MOTOR CAR COMPANY

DETROIT
MICHIGAN

Price	\$2925
Phaeton	1650
Roadster	1650
Cabriolet	1950
Touring Sedan	2175
Town Car	2925
Town Car Landaulet	3025
Limousine Landaulet	3025



HUDSON SUPER-SIX LIMOUSINE

COLOR	Body, blue; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**J. I. CASE T. M.
C O M P A N Y**

**R A C I N E
W I S C O N S I N**

Price \$1190
Four-Passenger Cloverleaf
Roadster 1190



CASE 40 TOURING

COLOR	Brewster green	LUBRICATION . . .	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	120 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Gravity
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	21.03 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3 1/4 x 6 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . .	Double screw and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**BUFFALO
NEW YORK**

Price	\$4800
Two-Passenger Runabout	4800
Three-Passenger Runabout	4800
Two-Passenger Coupe	5700
Three-Passenger Coupe	5700
Four-Passenger Touring	4800
Brougham	5900
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Brougham-Landaulet	5900
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham	5900
French Brougham-Landaulet	5900



PIERCE-ARROW FIVE-PASSENGER TOURING — 38-C-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	134 inches	IGNITION	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	38.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	4 x 5½ inches	STEERING GEAR	Screw and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, autometer, clock and demountable rims

PIERCE-ARROW MOTOR CAR COMPANY

BUFFALO
NEW YORK

Price	\$4800
Two-Passenger Runabout	4800
Two-Passenger Coupe	5700
Three-Passenger Coupe	5700
Four-Passenger Touring	4800
Five-Passenger Touring	4800
Brougham	5900
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Brougham-Landaulet	5900
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham	5900
French Brougham-Landaulet	5900



PIERCE-ARROW THREE-PASSENGER RUNABOUT—38-C-4

COLOR	Optional	RADIATOR	Cellular
SEATING CAPACITY	Four	COOLING	Water
POSITION OF DRIVER	Right side	IGNITION	High-tension magneto and storage battery
WHEELBASE	134 inches	STARTING SYSTEM	Two unit
GAUGE	56 inches	STARTER OPERATED	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM	Electric
FRONT TIRES	36 x 4½ inches	VOLTAGES	Six
REAR TIRES	36 x 4½ inches	WIRING SYSTEM	Single
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Pressure
EMERGENCY BRAKE	Contracting on rear wheels	CLUTCH	Cone
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	38.4 (N. A. C. C. Rating)	REAR AXLE	Semi-floating
BORE AND STROKE	4 x 5½ inches	STEERING GEAR	Screw and nut
LUBRICATION	Force feed		

In addition to above specifications, price includes top, top hood, windshield, speedometer, autometer, clock and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**B U F F A L O
N E W Y O R K**

Price	\$5700
Two-Passenger Runabout	4800
Three-Passenger Runabout	4800
Two-Passenger Coupe	5700
Four-Passenger Touring	4800
Five-Passenger Touring	4800
Brougham	5900
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Brougham-Landaulet	5900
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham	5900
French Brougham-Landaulet	5900



PIERCE-ARROW THREE-PASSENGER COUPE — 38-C-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY .	Four	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	134 inches	IGNITION.	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Contracting on rear wheels	GASOLINE SYSTEM . .	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES . . .	Four forward, one reverse
HORSEPOWER	38.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	4 x 5½ inches	REAR AXLE	Semi-floating
		STEERING GEAR . . .	Screw and nut

In addition to above specifications, price includes wind-
shield, speedometer, autometer, clock and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**B U F F A L O
N E W Y O R K**

Price	\$5900
Two-Passenger Runabout	4800
Three-Passenger Runabout	4800
Two-Passenger Coupe	5700
Three-Passenger Coupe	5700
Four-Passenger Touring	4800
Five-Passenger Touring	4800
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Brougham-Landaulet	5900
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham	5900
French Brougham-Landaulet	5900



PIERCE-ARROW BROUGHAM — 38-C-4

COLOR	Optional	LUBRICATION . . .	Force feed
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	134 inches	IGNITION.	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED.	Gear to fly wheel
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM..	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE.	Contracting on rear wheels	GASOLINE SYSTEM .	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	In pairs	GEAR CHANGES . .	Four forward, one reverse
HORSEPOWER	38.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	4 x 5½ inches	REAR AXLE	Semi-floating
		STEERING GEAR . .	Screw and nut

In addition to above specifications, price includes wind-
shield, speedometer, autometer, clock and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**BUFFALO
NEW YORK**

Price	\$5900
Two-Passenger Runabout	4800
Three-Passenger Runabout	4800
Two-Passenger Coupe	5700
Three-Passenger Coupe	5700
Four-Passenger Touring	4800
Five-Passenger Touring	4800
Brougham	5900
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham	5900
French Brougham-Landaulet	5900



PIERCE-ARROW BROUGHAM-LANDAULET—38-C-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY . .	Seven	RADIATOR	Cellular
POSITION OF DRIVER .	Right side	COOLING	Water
WHEELBASE	134 inches	IGNITION	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM* . .	Single
EMERGENCY BRAKE . .	Contracting on rear wheels	GASOLINE SYSTEM . .	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES . . .	Four forward, one reverse
HORSEPOWER	38.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE . .	4 x 5½ inches	REAR AXLE	Semi-floating
		STEERING GEAR . . .	Screw and nut

In addition to above specifications, price includes wind-
shield, speedometer, autometer, clock and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**
**BUFFALO
NEW YORK**

Price	\$5900
Two-Passenger Runabout	4800
Three-Passenger Runabout	4800
Two-Passenger Coupe	5700
Three-Passenger Coupe	5700
Four-Passenger Touring	4800
Five-Passenger Touring	4800
Brougham	5900
Landaulet	5900
Sedan	5900
Vestibule Brougham	6100
Brougham-Landaulet	5900
Vestibule Landaulet	6100
Vestibuled Brougham-Landaulet	6100
French Brougham-Landaulet	5900



PIERCE-ARROW FRENCH BROUGHAM — 38-C-4

COLOR	Optional	RADIATOR	Cellular
SEATING CAPACITY .	Seven	COOLING	Water
POSITION OF DRIVER	Right side	IGNITION.	High-tension magneto and storage battery
WHEELBASE	134 inches	STARTING SYSTEM. .	Two unit
GAUGE	56 inches	STARTER OPERATED .	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM. .	Electric
FRONT TIRES	36 x 4½ inches	VOLTAGES	Six
REAR TIRES	36 x 4½ inches	WIRING SYSTEM . . .	Single
SERVICE BRAKE . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Pressure
EMERGENCY BRAKE .	Contracting on rear wheels	CLUTCH	Cone
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES . . .	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	38.4	REAR AXLE	Semi-floating
(N. A. C. C. Rating)		STEERING GEAR	Screw and nut
BORE AND STROKE .	4 x 5½ inches		
LUBRICATION	Force feed		

In addition to above specifications, price includes wind shield, speedometer, autometer, clock and demountable rims

PIERCE-ARROW MOTOR CAR COMPANY

BUFFALO
NEW YORK

Price	\$5500
Two-Passenger Runabout	5400
Three-Passenger Runabout	5400
Two-Passenger Coupe	6400
Three-Passenger Coupe	6400
Four-Passenger Touring	5400
Five-Passenger Touring	5400
Brougham	6600
Suburban	6800
Landau	6800
Suburban-Landau	6800
Vestibule Suburban	7000
Vestibule Landau	7000
Vestibule Brougham	6800
Vestibule Suburban-Landau	7000



PIERCE-ARROW SEVEN-PASSENGER TOURING—48-B-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Seven persons	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	142 inches	IGNITION	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	37 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	37 x 5 inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	48.6	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	4½ x 5½ inches	STEERING GEAR	Screw and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, autometer, clock and demountable rims

PIERCE-ARROW MOTOR CAR COMPANY

BUFFALO
NEW YORK

Price	\$4800
Two-Passenger Runabout	5400
Three-Passenger Runabout	5400
Two-Passenger Coupe	6400
Three-Passenger Coupe	6400
Four-Passenger Touring	5400
Five-Passenger Touring	5400
Seven-Passenger Touring	5500
Brougham	6600
Landau	6800
Suburban-Landau	6800
Vestibule Suburban	7000
Vestibule Landau	7000
Vestibule Brougham	6800
Vestibule Suburban-Landau	7000



PIERCE-ARROW SUBURBAN—48-B-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	142 inches	IGNITION	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	37 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	37 x 5 inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	48.6	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	4½ x 5½ inches	STEERING GEAR	Screw and nut

In addition to above specifications, price includes wind-shield, speedometer, autometer, clock and demountable rims

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**BUFFALO
NEW YORK**

Price	\$6800
Two-Passenger Runabout	5400
Three-Passenger Runabout	5400
Two-Passenger Coupe	6400
Three-Passenger Coupe	6400
Four-Passenger Touring	5400
Five-Passenger Touring	5400
Seven-Passenger Touring	5500
Brougham	6600
Suburban	6800
Landau	6800
Vestibule Suburban	7000
Vestibule Landau	7000
Vestibule Brougham	6800
Vestibule Suburban-Landau	7000



PIERCE-ARROW SUBURBAN LANDAU—48-B-4

COLOR	Optional	RADIATOR	Cellular
SEATING CAPACITY .	Seven	COOLING	Water
POSITION OF DRIVER	Right side	IGNITION	High-tension magneto and storage battery
WHEELBASE	142 inches	STARTING SYSTEM . .	Two unit
GAUGE	56 inches	STARTER OPERATED .	Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM . .	Electric
FRONT TIRES	37 x 5 inches	VOLTAGES	Six
REAR TIRES	37 x 5 inches	WIRING SYSTEM . . .	Single
SERVICE BRAKE . . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Pressure
EMERGENCY BRAKE .	Contracting on rear wheels	CLUTCH	Cone
CYLINDERS	Six	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES . . .	Four forward, one reverse
CAST	In pairs	DRIVE	Spiral bevel
HORSEPOWER	48.6	REAR AXLE	Semi-floating
(N. A. C. C. Rating)		STEERING GEAR	Screw and nut
BORE AND STROKE . .	4½ x 5½ inches		
LUBRICATION	Force feed		

In addition to above specifications, price includes wind-
shield, speedometer, autometer, clock and demountable rims

PIERCE-ARROW MOTOR CAR COMPANY

BUFFALO
NEW YORK

Price	\$8000
Two-Passenger Runabout	6400
Three-Passenger Runabout	6400
Two-Passenger Coupe	7400
Three-Passenger Coupe	7400
Four-Passenger Touring	6400
Five-Passenger Touring	6400
Seven-Passenger Touring	6500
Brougham	7600
Suburban	7800
Landau	7800
Suburban-Landau	7800
Vestibule Landau	8000
Vestibule Brougham	7800
Vestibule Suburban-Landau	8000



PIERCE-ARROW VESTIBULE SUBURBAN—66-A-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	147½ inches	IGNITION	High-tension magneto and storage battery
GAUGE	57 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	38 x 5½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	38 x 5½ inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	60 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	5 x 7 inches	REAR AXLE	Semi-floating
		STEERING GEAR	Screw and nut

In addition to above specifications, price includes wind-
shield, speedometer, autometer, clock and demountable rims

PIERCE-ARROW MOTOR CAR COMPANY

BUFFALO
NEW YORK

Price	\$6500
Two-Passenger Runabout	6400
Three-Passenger Runabout	6400
Two-Passenger Coupe	7400
Three-Passenger Coupe	7400
Four-Passenger Touring	6400
Five-Passenger Touring	6400
Brougham	7600
Suburban	7800
Landau	7800
Suburban-Landau	7800
Vestibule Suburban	8000
Vestibule Landau	8000
Vestibule Brougham	7800
Vestibule Suburban-Landau	8000



PIERCE-ARROW SEVEN-PASSENGER TOURING — 66-A-4

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water
WHEELBASE	147½ inches	IGNITION	High-tension magneto and storage battery
GAUGE	57 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	38 x 5½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	38 x 5½ inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Pressure
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES	Four forward, one reverse
HORSEPOWER	60 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	5 x 7 inches	REAR AXLE	Semi-floating
		STEERING GEAR	Screw and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, autometer, clock and demountable rims

CADILLAC MOTOR CAR COMPANY

DETROIT
MICHIGAN

Price	\$2240
Four-Passenger Phaeton	2240
Two-Passenger Roadster	2240
Four-Passenger Club Roadster	2240



CADILLAC TOURING—TYPE 55

COLOR	Cadillac blue with black trimmings	BORE AND STROKE	3 1/4 x 5 1/4 inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	125 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	36 x 4 1/2 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	36 x 4 1/2 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Pressure
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	31.25	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims



CADILLAC CONVERTIBLE VICTORIA—TYPE 55

COLOR	Calumet green with black trimmings	BORE AND STROKE . . .	3¼ x 5½ inches
SEATING CAPACITY . .	Four	LUBRICATION	Force feed
POSITION OF DRIVER .	Left side	RADIATOR	Tubular
WHEELBASE	125 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM . .	Single unit
FRONT TIRES	36 x 4½ inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	36 x 4½ inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM ? . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Pressure
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	In fours	TRANSMISSION . . .	Selective sliding
HORSEPOWER	31.25 (N. A. C. C. Rating)	GEAR CHANGES . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**CADILLAC
MOTOR CAR
COMPANY**

**DETROIT
MICHIGAN**

Price \$2835
Five-Passenger Brougham . . . 3110



CADILLAC CONVERTIBLE—TYPE 55

COLOR	Cadillac blue with black trimmings	BORE AND STROKE . . .	3½ x 5½ inches
SEATING CAPACITY . .	Seven	LUBRICATION	Force feed
POSITION OF DRIVER .	Left side	RADIATOR	Tubular
WHEELBASE	125 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM . . .	Single unit
FRONT TIRES	36 x 4½ inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	36 x 4½ inches, anti-skid	LIGHTING SYSTEM . . .	Electric
SERVICE BRAKE . . . *	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM . . .	Pressure
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	31.25 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**CADILLAC
MOTOR CAR
COMPANY**
**DETROIT
MICHIGAN**

Price	\$3760
Seven-Passenger Imperial	3910
Seven-Passenger Landaulet . . .	3910



CADILLAC LIMOUSINE—TYPE 55

COLOR	Calumet green with black trimmings	BORE AND STROKE . .	3¼ x 5¼ inches
SEATING CAPACITY .	Seven	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	132 inches	COOLING	Water pump
GAUGE	58 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM . .	Single unit
FRONT TIRES	37 x 5 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	37 x 5 inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Pressure
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	In fours	TRANSMISSION . . .	Selective sliding
HORSEPOWER	31.25 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**STUTZ MOTOR
CAR COMPANY**
INDIANAPOLIS
I N D I A N A

Price \$2375
Four-Passenger Bulldog Special. 2550
Six-Passenger Bulldog Special . 2550



STUTZ ROADSTER—SERIES R

COLOR	Battleship gray or Mercedes red	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Two	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water pump
WHEELBASE	130 inches	IGNITION.	High-tension magneto
GAUGE	56½ inches	STARTING SYSTEM. .	Single unit
WHEELS	Wire	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4½ inches	VOLTAGES	Seven to eight
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM . . .	Double
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Pressure feed
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	36.1 (N. A. C. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE .	4¾ x 5½ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and extra wire wheel

STUTZ MOTOR CAR COMPANY

INDIANAPOLIS
I N D I A N A

Price \$2550
Six-Passenger Bulldog Special . 2550
Two-Passenger Roadster 2275



STUTZ BULLDOG SPECIAL—SERIES R

COLOR	Battleship gray or Mercedes red	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Four	RADIATOR	Cellular
POSITION OF DRIVER	Right side	COOLING	Water pump
WHEELBASE	130 inches	IGNITION	High-tension magneto
GAUGE	56½ inches	STARTING SYSTEM . .	Single unit
WHEELS	Wire	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4½ inches	VOLTAGES	Seven to eight
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM . . .	Double
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Pressure feed
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	36.1 (N. A. C. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE . .	4¼ x 5½ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and extra wire wheel

**McFARLAN
MOTOR
COMPANY**
**CONNERSVILLE
INDIANA**

Price	\$3500
Roadster	3700
Submarine	3650
Five-Passenger Pasadena	3500
Six-Passenger Touring	3500



McFARLAN SIX—TYPE 127

COLOR	Optional	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	136 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 5 inches	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward and reverse
HORSEPOWER	48.6 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	4½ x 6 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

**McFARLAN
MOTOR
COMPANY**
CONNERSVILLE
INDIANA

Price	\$4750
Town Car	4600
Knickerbocker Cabriolet	5300
Seven-Passenger Sedan	4600
Philadelphia Berline	4900
Limousine	4650
Continental Landaulet	4900
Country Club Coach	5300



McFARLAN SIX SEDAN—TYPE 135

COLOR	Optional	LUBRICATION	Force feed and splash
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	136 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wire	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 5 inches	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward one reverse
HORSEPOWER	48.6 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	4½ x 6 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

**K L I N E
MOTOR CAR
CORPORATION**
**R I C H M O N D
V I R G I N I A**

Price	\$1195
Four-Passenger Shamrock Roadster	1195
Two-Passenger Roadster	1175
Three-Passenger Roadster	1175



KLIN KAR TOURING—6-38

COLOR	Body, coupe green; running gear, black; wheels, red, straw or green	BORE AND STROKE	3 1/4 x 4 1/2 inches
SEATING CAPACITY	Five	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry plate
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

**PEERLESS
MOTOR CAR
COMPANY**
CLEVELAND, OHIO

Price \$1980
Roadster 1980
Limousine 3350
Sedan 2840
Coupe 2700



PEERLESS TOURING — 56

COLOR	Peerless green and black	LUBRICATION	Full force feed
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM .	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Eight	CLUTCH	Multiple disc
ARRANGED	V type, 90 degrees	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	33.8 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 5 inches	REAR AXLE	Semi-floating
		STEERING GEAR . . .	Worm and wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

**CHALMERS
MOTOR
COMPANY**

**DETROIT
MICHIGAN**

Price	\$1850
Town Car	2550
Limousine	2550
Seven-Passenger Touring	1350



CHALMERS SIX-30 TOURING SEDAN

COLOR	Body, meteor blue; running gear, black	BORE AND STROKE	3 1/4 x 4 1/2 inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	122 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	33 x 4 1/2 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	33 x 4 1/2 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

CHALMERS MOTOR COMPANY

DETROIT
MICHIGAN

Price \$1090
Roadster 1070
Cabriolet 1440



CHALMERS SIX-30 TOURING

COLOR	Body, meteor blue running gear, black	BORE AND STROKE .	3 3/4 x 4 1/2 inches
SEATING CAPACITY .	Five	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	115 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Six	GASOLINE SYSTEM . .	Vacuum
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

**THE WESTCOTT
MOTOR CAR
COMPANY**

**SPRINGFIELD
O H I O**

Price	\$1690
Five-Passenger Touring	1590
Four-Passenger Roadster	1590
Five-Passenger Touring Sedan	2090
Seven-Passenger Sedan	2190



WESTCOTT TOURING—SERIES 17

COLOR	Body, gray or green; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	29.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3½ x 5¼ inches	REAR AXLE	Semi-floating
		STEERING GEAR	Worm and wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

MOLINE AUTOMOBILE COMPANY

EAST MOLINE
ILLINOIS

Price	\$1840
Four-Passenger Roadster	1840
Touring Sedan	2350
Four-Passenger Coupe	2400



MOLINE-KNIGHT 50 TOURING—G

COLOR	Body, dark cobalt blue; running gear, black	BORE AND STROKE	4 x 6 inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	122 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.6	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

THE MUTUAL MOTORS COMPANY

JACKSON
MICHIGAN

Price \$1275
Four-Passenger Roadster . . . 1275



MARION-HANDLEY 6-40 TOURING—A

COLOR	Wine	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	120 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	23.44 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 5 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . .	Worm and wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

THE MUTUAL MOTORS COMPANY

JACKSON
MICHIGAN

Price, \$1575



MARION-HANDLEY 6-60 TOURING — B

COLOR	Olive green	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE .	3½ x 5¼ inches	STEERING GEAR . . .	Worm and wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**THE
BARTHOLOMEW
COMPANY**

PEORIA, ILLINOIS

Price	\$1195
Sedan	1395
Four-Passenger Roadster	1195



GLIDE LIGHT SIX—40

COLOR	Body, meteor blue; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	119 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	23.44 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Screw and nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**A U S T I N
A U T O M O B I L E
C O M P A N Y**

**G R A N D R A P I D S
M I C H I G A N**

Price	\$3750
Two-Passenger Roadster	3750
Four-Passenger Roadster	3750
Seven-Passenger Touring	3750
Coupe	4550
Sedan	4950
Limousine	5250



AUSTIN HIGHWAY KING

COLOR	Black	LUBRICATION	Force feed
SEATING CAPACITY	Six	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	142 inches	IGNITION	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Twelve	CLUTCH	Dry multiple disc
ARRANGED	V type, 60 degrees	TRANSMISSION	Selective sliding
CAST	In three	GEAR CHANGES	Six forward, two reverse
HORSEPOWER	39.68 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	2½ x 5 inches	REAR AXLE	Two speed full floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

**P R E M I E R
M O T O R
C O R P O R A T I O N**

**I N D I A N A P O L I S
I N D I A N A**

Price	\$1895
Seven-Passenger Touring	1895
Limousine	3150
Town Car	3150
Touring Sedan	2900



P R E M I E R F O U R S O M E R O A D S T E R — 6 B

COLOR	Body, velour gun metal; chassis, black	BORE AND STROKE	3½ x 5½ inches
SEATING CAPACITY	Four	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry plate
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	27.34 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse, magnetic shift
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**PREMIER
MOTOR
CORPORATION**
INDIANAPOLIS
INDIANA

Price	\$1895
Four-Passenger Foursome Roadster	1895
Limousine	3150
Town Car	3150
Touring Sedan	2900



PREMIER TOURING—6B

COLOR	Body, velour gun metal; chassis, black	BORE AND STROKE	3½ x 5½ inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4¼ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4¼ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry plate
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	27.34 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse, magnetic shift
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**J A M E S
CUNNINGHAM
SON & COMPANY**

**ROCHESTER
NEW YORK**

Price	\$3750
Runabout	3750
Four-Passenger Touring	3750
Limousine	5000
Landaulet	5500



CUNNINGHAM TOURING — V

COLOR	Optional	LUBRICATION	Full force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	132 inches	IGNITION	Storage battery
GAUGE	36 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to transmission
FRONT TIRES	35 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 5 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Eight	CLUTCH	Dry multiple disc
ARRANGED	V-type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In four	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	45	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	3 1/4 x 5 inches	STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims



REGAL FOUR-THIRTY-TWO — J

COLOR	Body, Regal blue; running gear, black	BORE AND STROKE .	3½ x 4¾ inches
SEATING CAPACITY .	Five	LUBRICATION . . .	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	108 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM .	Two unit
FRONT TIRES	30 x 3½ inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	30 x 3½ inches, anti-skid	LIGHTING SYSTEM .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . .	Single
CYLINDERS	Four	GASOLINE SYSTEM .	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION . . .	Selective sliding
HORSEPOWER	19.6 (N. A. C. C. Rating)	GEAR CHANGES . .	Four
		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

MOON MOTOR CAR COMPANY

**S T. LOUIS
MISSOURI**

Price	\$1295
With Demountable Top	1450
Four-Passenger Club Roadster	1295
Four-Passenger Cabriolet	1950



MOON 6/43 TOURING

COLOR	Brewster green	LUBRICATION	Force feed and splash
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	118 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	33 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	33 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3 1/4 x 4 1/4 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

MOON MOTOR CAR COMPANY

ST. LOUIS
MISSOURI

Price	\$1690
Four-Passenger Club Roadster	1690
Four-Passenger Coupe	2250
Seven-Passenger Sedan	2350
Four-Passenger Cabriolet	2250



MOON 6/66 TOURING

COLOR	Maroon	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	3½ x 5¼ inches	STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**DORT MOTOR
CAR COMPANY**
FLINT, MICHIGAN

Price	\$695
Sedan	1065
Sedanet	815
Cloverleaf Roadster	695



DORT TOURING—9

COLOR	Body, dark green; fenders and hood, black	LUBRICATION	Pump over and splash
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	105 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	30 x 3½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	30 x 3½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Gravity
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	16.9 (N. A. C. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE .	3¼ x 5 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . .	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**H U P P
MOTOR CAR
CORPORATION**
**DETROIT
MICHIGAN**

Price \$1185
Two-Passenger Roadster 1185



HUPMOBILE TOURING—N

COLOR	Body, Hupmobile blue; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	119 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Gravity
CYLINDERS	Four	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE . .	3¼ x 5½ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Split nut

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, electric horn and demountable rims

**H U P P
MOTOR CAR
CORPORATION**
**DETROIT
MICHIGAN**

Price, \$1340



HUPMOBILE TOURING—NU

COLOR	Body, Hupmobile blue; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	134 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Four	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	22.5	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	3¼ x 5½ inches	STEERING GEAR	Split nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**H U P P
MOTOR CAR
CORPORATION
DETROIT
MICHIGAN**

Price	\$1735
Five-Passenger "Year-'Round" Touring	1385
Two-Passenger "Year-'Round" Coupe	1370



HUPMOBILE SEDAN — NQ

COLOR	Body, Hupmobile blue and black; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	119 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
CYLINDERS	Four	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3¼ x 5½ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Split nut

In addition to above specifications, price includes windshield, speedometer, ammeter, electric horn and demountable rims

PACKARD MOTOR CAR COMPANY

DETROIT
MICHIGAN

Price	\$3500
Seven-Passenger Salon Touring	3500
Five-Passenger Phaeton	3500
Five-Passenger Salon Phaeton	3500
Seven-Passenger Limousine	4950
Limousine with Cab Sides	5000
Seven-Passenger Imperial Limousine	5150
Seven-Passenger Landaulet	5000
Landaulet with Cab Sides	5050
Six-Passenger Limousine	4900
Six-Passenger Landaulet	4950
Four-Passenger Brougham	4950



PACKARD STANDARD TOURING—2-35

COLOR	Packard blue	BORE AND STROKE	3 x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	135 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 5 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 5 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Double
CYLINDERS	Twelve	GASOLINE SYSTEM	Pressure
ARRANGED	V type, 60 degrees	CLUTCH	Dry plate
CAST	In sixes	TRANSMISSION	Selective sliding
HORSEPOWER	43.2 (N. A. C. C. Rating)	GEAR CHANGES	Three
		DRIVE	Worm bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**PACKARD
MOTOR CAR
COMPANY**

**DETROIT
MICHIGAN**

Price	\$4450
Seven-Passenger Touring	3050
Five-Passenger Phaeton	3050
Five-Passenger Salon Phaeton	3050
Four-Passenger Runabout	3050
Two-Passenger Runabout	3050
Six-Passenger Landaulet	4500
Four-Passenger Brougham	4500
Three-Passenger Coupe	4150



PACKARD LIMOUSINE—2-25

COLOR	Packard blue	BORE AND STROKE	3 x 5 inches
SEATING CAPACITY	Six	LUBRICATION	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	126 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 5 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 5 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Double
CYLINDERS	Twelve	GASOLINE SYSTEM	Pressure
ARRANGED	V type, 60 degrees	CLUTCH	Dry plate
CAST	In sixes	TRANSMISSION	Selective sliding
HORSEPOWER	43.2 (N. A. C. C. Rating)	GEAR CHANGES	Three
		DRIVE	Worm bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

AUBURN AUTOMOBILE COMPANY

AUBURN
INDIANA

Price	\$1145
With Detachable Sedan Top . .	1320
Four-Passenger Chummy Roadster	1145
With Detachable Sedan Top . .	1320
Two-Passenger Roadster	1145



AUBURN TOURING—6-39

COLOR	Body, royal blue; hood and fenders, black	LUBRICATION	Force feed and splash
SEATING CAPACITY . .	Five	RADIATOR	Cellular
POSITION OF DRIVER .	Left side	COOLING	Water pump
WHEELBASE	120 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Dry plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	23.44	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE . .	3½ x 5 inches	STEERING GEAR . . .	Worm and nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**A U B U R N
A U T O M O B I L E
C O M P A N Y**
A U B U R N
I N D I A N A

Price \$1535
With Detachable Sedan Top . . 1785
Four-Passenger Chummy
Roadster 1535
With Detachable Sedan Top . . 1785



AUBURN TOURING—6-44

COLOR	Body, royal blue; hood, fenders, etc., black	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	131 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Single unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Dry plate
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	29.4 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3½ x 5¼ inches	REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

JACKSON AUTOMOBILE COMPANY

JACKSON
MICHIGAN

Price	\$1295
Two-Passenger Roadster	1295
Four-Passenger Cruiser	1395
Five-Passenger Sedan	1505



JACKSON WOLVERINE — 349

COLOR	Body, maroon or natural gray; running gear, black	BORE AND STROKE	3 x 3½ inches
SEATING CAPACITY	Five	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	118 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wire or wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	28.8 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Floating
		STEERING GEAR	Worm and irreversible gear

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**GEORGE W.
DAVIS MOTOR
CAR COMPANY**
**RICHMOND
INDIANA**

Price \$1195
Five-Passenger Club Roadster 1195
Seven-Passenger Sedan 1795



DAVIS TOURING—6-H

COLOR	Body, blue; wheels, cream; chassis, black	BORE AND STROKE	3¼ x 4½ inches
SEATING CAPACITY	Seven	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	119 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six to eight
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

HACKETT MOTOR CAR COMPANY

JACKSON
MICHIGAN

Price \$888
Four-Passenger Roadster 888



HACKETT FOUR TOURING

COLOR	Body, Packard blue; wheels, ivory	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	112 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 3½ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	32 x 3½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Gravity
CYLINDERS	Four	CLUTCH	Multiple disc in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	22.5 (N. A. C. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE .	3¾ x 4¼ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

**D O D G E
B R O T H E R S
D E T R O I T
M I C H I G A N**

Price	\$785
Winter Touring	950
Winter Roadster	950
Convertible Sedan	1185
Convertible Coupe	1185



DODGE BROTHERS TOURING

COLOR	Body, ebony black; wheels, dark blue	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	114 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM.	Single unit
WHEELS	Wood	STARTER OPERATED.	Chain to crank-shaft
FRONT TIRES	32 x 3½ inches	LIGHTING SYSTEM.	Electric
REAR TIRES	32 x 3½ inches, anti-skid	VOLTAGES	Twelve
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	24.03 (N. A. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3¼ x 4¼ inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, current indicator, tire pump, electric horn and demountable rims

**PAIGE DETROIT
MOTOR CAR
COMPANY**
DETROIT, MICHIGAN
**DETROIT
MICHIGAN**

Price	\$1495
Seven-Passenger Sedan	2300
Seven-Passenger Limousine	2750
Seven-Passenger Town Car	2750
Three-Four-Passenger Coupe	2100
Four-Passenger Convertible Roadster	1695



PAIGE STRATFORD TOURING

COLOR	Body, Paige royal blue; wheels, ivory	LUBRICATION	Force feed and splash
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	127 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit electric
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 X 4 1/2 inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 X 4 1/2 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	Brass	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	29.1 N. A. C. C. Rating	DRIVE	Spiral bevel
BORE AND STROKE	3.2 X 3 1/4 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price right, top speed, low, windshield, speedometer, ammeter, tire pump, electric horn and telescopic lights.

**PAIGE-DETROIT
MOTOR CAR
COMPANY**

**DETROIT
MICHIGAN**

Price \$1175
Two-Three-Passenger Roadster . 1175
Five-Passenger Convertible Sedan 1775



PAIGE LINWOOD TOURING

COLOR	Body, Richelieu blue; wheels, straw	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	117 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit electric
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Gravity
CYLINDERS	Six	CLUTCH	Multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	23.44 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 5 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Worm and worm wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**THE ALLEN
MOTOR
COMPANY**
FOSTORIA, OHIO

Price \$850
Four-Passenger Classic Roadster 875



ALLEN "CLASSIC" TOURING

COLOR	Body and hood, brown, blue, gray or green; fenders, radiator and gear, black; wheels, cream	BORE AND STROKE	3¼ x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	112 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 3½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 3½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	22.5	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and wheel

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

THE ALLEN MOTOR COMPANY

FOSTORIA, OHIO

Price \$1195
Three-Passenger Coupe . . . 1175



ALLEN SEDAN—37

COLOR	Body, black and blue; hood, blue; fenders and running gear, black; wheels cream	BORE AND STROKE . . .	3¼ x 5 inches
SEATING CAPACITY . .	Five	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	112 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. . .	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED. .	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM. . .	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Four	GASOLINE SYSTEM . .	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	22.5	GEAR CHANGES . . .	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and wheel

In addition to above specifications, price includes speedometer, ammeter, electric horn and demountable rims

BREWSTER & CO.

LONG ISLAND CITY
NEW YORK

Price	\$7500
Open Phaeton	7000
Town Landaulet	7600
Touring Landaulet	7900
Enclosed Drive	7500
Limousine	7700
Runabout	6500



BREWSTER TOWN BROUGHAM

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Four	RADIATOR	Cellular
POSITION OF DRIVER	Right or left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION	High-tension magneto
GAUGE	50 inches	STARTING SYSTEM	Single unit
WHIPPS	Wood	STARTER OPERATED	Fly wheel generator
FRONT TIRES	34 x 41 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 41 inches, anti-skid	VOLTAGE	Twelve
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	25.0	DRIVE	Spiral bevel
AX A C C Rating		REAR AXLE	Full floating
BORE AND STROKE	4 x 51 inches	STEERING GEAR	Worm and nut

In addition to above specifications, also includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims.

THE WILLYS- OVERLAND COMPANY

TOLEDO, OHIO

Price	\$665
Two-Passenger Roadster	650
Country Club	750



OVERLAND TOURING — 90

COLOR	Body, Brewster green; wheels, green; fenders and trimming, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	106 inches	COOLING	Thermo-syphon
GAUGE	56 or 60 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	31 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	31 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	18.23	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and full gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rims

THE WILLEYS- OVERLAND COMPANY

TOLEDO, OHIO

Price	\$985
Roadster	970
Touring Sedan	1585
Touring Coupe	1385



OVERLAND SIX TOURING—85B

COLOR	Body, Brewster green; wheels, green; fenders and trimming, black	BORE AND STROKE	3 1/4 x 4 1/2 inches
SEATING CAPACITY	Five	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	116 inches	COOLING	Water pump
GAUGE	56 or 60 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and full gear

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

THE WILLYS- OVERLAND COMPANY

TOLEDO, OHIO

Price, \$1325



WILLYS TOURING — 88-SIX

COLOR	Body, French blue; wheels, blue; trimming, black	BORE AND STROKE	3½ x 5¼ inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and full gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims



WILLYS-KNIGHT TOURING—88-EIGHT

COLOR	Body, French blue; wheels, cream; trimming, black	BORE AND STROKE	3½ x 4 inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	125 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4½ inches anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	36.45 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and full gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

THE WILLYS- OVERLAND COMPANY

TOLEDO, OHIO

Price \$1650
Roadster 1095



WILLYS-KNIGHT COUPE

COLOR	Body and wheels, French blue; fenders and trimmings, black	HORSEPOWER	27.23 (N. A. C. C. Rating)
SEATING CAPACITY .	Four	BORE AND STROKE .	4¼ x 4½ inches
POSITION OF DRIVER	Left side	LUBRICATION	Force feed and splash
WHEELBASE	114 inches	RADIATOR	Cellular
GAUGE	56 inches	COOLING	Thermo-syphon
WHEELS	Wood	IGNITION	Storage battery
FRONT TIRES	35 x 4½ inches, anti-skid	STARTING SYSTEM . .	Two unit
REAR TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED .	Gear to fly wheel
SERVICE BRAKE . . .	Contracting on rear wheels	LIGHTING SYSTEM . .	Electric
EMERGENCY BRAKE .	Expanding on rear wheels	VOLTAGES	Six
CYLINDERS	Four	WIRING SYSTEM . . .	Single
ARRANGED	Vertically	GASOLINE SYSTEM . .	Vacuum
CAST	En bloc	CLUTCH	Cone
		TRANSMISSION	Selective sliding
		GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and full gear

In addition to above specifications, price includes speedometer, ammeter, electric horn and demountable rims



APPERSON ROADAPLANE CHUMMY ROADSTER — 6-17-4

COLOR	Body, mouse gray; running gear, Ap- person special green or blue	BORE AND STROKE . . .	3 1/4 x 5 inches
SEATING CAPACITY . .	Four	LUBRICATION	Full force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	130 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. . .	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED. .	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM. . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six to eight
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . . .	Double
CYLINDERS	Six	GASOLINE SYSTEM . .	Vacuum
ARRANGED	Vertically	CLUTCH	Dry plate
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	29.4 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

APPERSON BROTHERS AUTOMOBILE COMPANY

K O K O M O
I N D I A N A

Price, \$2000



APPERSON ROADAPLANE — 8-17-7

COLOR	Body, mouse gray; running gear, Apperson special green or blue	BORE AND STROKE . . .	3¼ x 5 inches
SEATING CAPACITY . .	Seven	LUBRICATION	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	130 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . . .	Two unit
FRONT TIRES	35 x 4½ inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM . . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six to eight
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM	Double
CYLINDERS	Eight	GASOLINE SYSTEM . . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Dry plate
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	31.25	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

MONROE MOTOR COMPANY

PONTIAC
MICHIGAN

Price \$565
Cloverleaf . . . 635
Sedan 965



MONROE ROADSTER—M-3

COLOR	Body, blue; wheels, cream; chassis, black	BORE AND STROKE . .	3 x 4 1/4 inches
SEATING CAPACITY .	Two	LUBRICATION	Pump over and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	96 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	30 x 3 inches, anti-skid	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	30 x 3 inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Four	GASOLINE SYSTEM . .	Gravity
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	14.4 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Plain bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Split nut *

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

**MONROE
MOTOR
COMPANY**
**PONTIAC
MICHIGAN**

Price \$985
Cloverleaf. . . 985



MONROE TOURING—M-4

COLOR	Body, blue; wheels, white; chassis, black	BORE AND STROKE . . .	3¼ x 4½ inches
SEATING CAPACITY . .	Five	LUBRICATION	Full force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	115 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. . .	Two unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM. . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Four	GASOLINE SYSTEM . .	Vacuum
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	16.9 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, . one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Special
		STEERING GEAR	Split nut

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, clock, electric horn and demountable rims

HAYNES AUTOMOBILE COMPANY

K O K O M O
I N D I A N A

Price	\$2985
Five-Passenger Touring	1985
Four-Passenger Roadster	2085
Five-Passenger Sedan	2650
Seven-Passenger Sedan	2750



HAYNES "LIGHT TWELVE"—41

COLOR	Brewster green and black	LUBRICATION	Full force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	127 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wire	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4 1/2 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 1/2 inches	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Double
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Twelve	CLUTCH	Dry disc
ARRANGED	V type, 60 degrees	TRANSMISSION	Selective sliding
CAST	In sixes	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	36.3	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	2 3/4 x 5 inches	STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, clock, tire pump and electric horn

HAYNES AUTOMOBILE COMPANY

K O K O M O
I N D I A N A

Price	\$1485
Four-Passenger Roadster	1585
Seven-Passenger Touring	1585
Five-Passenger Sedan	2150
Seven-Passenger Sedan	2250



HAYNES "LIGHT SIX" — 36

COLOR	Brewster green and black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY . .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	121 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Chain to crank shaft
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM . . .	Double
EMERGENCY BRAKE . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Dry disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE . .	3½ x 5 inches	STEERING GEAR . . .	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

HAYNES AUTOMOBILE COMPANY

K O K O M O
I N D I A N A

Price	\$1485
Four-Passenger Roadster	1585
Seven-Passenger Touring	1585
Five-Passenger Sedan	2150
Seven-Passenger Sedan	2250



HAYNES "LIGHT SIX" ROADSTER—37

COLOR	Brewster green and black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Four	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	127 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Chain to crank shaft
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Expanding on rear wheels	WIRING SYSTEM	Double
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	3½ x 5 inches	STEERING GEAR	Worm and split nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**PULLMAN
MOTOR CAR
COMPANY**
Y O R K
PENNSYLVANIA

Price	\$825
Four-Passenger Club Roadster	825
Two-Passenger Roadster	825
1000-lb. Open Express Delivery	750
1000-lb. Full Panel Delivery	775



PULLMAN TOURING — 424-32

COLOR	Body, Pullman green; running gear, black	BORE AND STROKE	3¼ x 4¼ inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	114 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	High-tension magneto
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	31 x 4 inches, anti-skid	STARTER OPERATED	Gear to fly wheel
REAR TIRES	31 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Plate
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	22.5	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rims

STUDEBAKER CORPORATION

DETROIT
MICHIGAN

Price	\$1180
Roadster	1170
Landau Roadster	1350
Touring Sedan	1700
Coupe	1750
Limousine	2600
Brougham	2750



STUDEBAKER SIX TOURING—SERIES 18

COLOR	Body and wheels, dark gun-metal gray; fenders, splash guard and chassis, black	BORE AND STROKE	3¼ x 5 inches
SEATING CAPACITY	Seven	LUBRICATION	Circulating splash with gear pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	122 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Chain to crank shaft
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	36.04	GEAR CHANGES	Three forward and reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and gear, irreversible

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, electric horn and demountable rims

STUDEBAKER CORPORATION

DETROIT
MICHIGAN

Price \$940
Roadster 930
Landau Roadster . . . 1150



STUDEBAKER FOUR TOURING—SERIES 18

COLOR	Body and wheels, dark gun-metal gray; fenders and chassis, black	BORE AND STROKE .	3 1/4 x 5 inches
SEATING CAPACITY .	Seven	LUBRICATION . . .	Circulating splash with gear pump
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	112 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM .	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED .	Chain to crank shaft
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . .	Single
CYLINDERS	Four	GASOLINE SYSTEM .	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION . . .	Selective sliding
HORSEPOWER	24.03 (N. A. C. C. Rating)	GEAR CHANGES . .	Three forward and reverse
		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and gear, irreversible

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rim

UNITED DETROITER CORPORATION

DETROIT
MICHIGAN

Price	\$1195
Three-Passenger Roadster	1195
Four-Passenger Roadster	1250
Five-Passenger Sedan	1495
Three-Passenger Coupe	1470



DETROITER SIX—45 TOURING

COLOR	Optional	LUBRICATION	Force feed and splash
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	119 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	33 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	33 x 4 inches, anti-skid	VOLTAGES	Seven
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	3 1/4 x 4 1/2 inches	STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

ELKHART CARRIAGE AND MOTOR CAR COMPANY

ELKHART
INDIANA

Price	\$845
Four-Passenger Cloverleaf	845
Two-Passenger Roadster	845



ELCAR TOURING—D

COLOR	Green	LUBRICATION	Splash with circulating pump
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Thermo-syphon
WHEELBASE	115 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 3½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 3½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	19.6 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 5 inches	REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, electric horn and demountable rims

CHEVROLET MOTOR COMPANY

600 W. 57th STREET
NEW YORK CITY

Price . . \$490
Roadster 490



CHEVROLET FOUR-NINETY TOURING

COLOR	Black	BORE AND STROKE . .	3 $\frac{1}{4}$ x 4 inches
SEATING CAPACITY .	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Right or left side	RADIATOR	Cellular
WHEELBASE	102 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Generator and storage battery
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	30 x 3 $\frac{1}{2}$ inches, anti-skid	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	30 x 3 $\frac{1}{2}$ inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Four	GASOLINE SYSTEM . .	Gravity
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	21.75	GEAR CHANGES . . .	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Plain bevel
		REAR AXLE	Three-quarters floating
		STEERING GEAR . . .	Spur gear

In addition to above specifications, price includes top, top hood, windshield, ammeter, tire pump and electric horn

CHEVROLET MOTOR COMPANY

600 W. 57th STREET
NEW YORK CITY

Price \$800
Two-Passenger Roadster 800



CHEVROLET BABY GRAND TOURING—F5

COLOR	Body, Chevrolet green; running gear, black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Right or left side	COOLING	Thermo-syphon
WHEELBASE	108 inches	IGNITION	Generator and storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	32 x 3½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	32 x 3½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	21.75	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE	3½ x 4 inches	STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

CHEVROLET MOTOR COMPANY

600 W. 57th STREET
NEW YORK CITY

Price \$1285
Four-Passenger Roadster . . . 1285



CHEVROLET TOURING

COLOR	Body, green; running gear, black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	120 inches	IGNITION	Generator and storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Double
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Eight	CLUTCH	Cone
ARRANGED	V type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In fours	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	36.45 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3½ x 4 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and worm wheel

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims



PATERSTON 6-45 TOURING

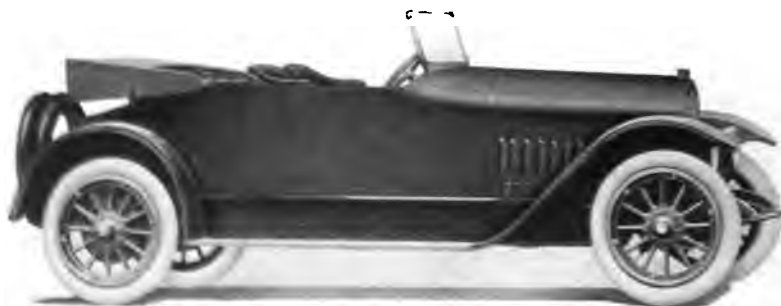
COLOR	Body, blue; running gear, black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY . .	Seven	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	117 inches	IGNITION	High tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	32 x 4 inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding gear
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE . .	3¼ x 4½ inches	STEERING GEAR . . .	Worm and nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

NATIONAL MOTOR VEHICLE COMPANY

INDIANAPOLIS
INDIANA

Price	\$1750
Seven-Passenger Touring	1750
Four-Passenger Phaeton	1750
Four-Passenger Coupe	2400
Five-Passenger Touring Sedan . .	2350



NATIONAL HIGHWAY SIX ROADSTER

COLOR	Highway blue or highway gray	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Four	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	128 inches	IGNITION	High-tension magneto
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4 1/2 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 1/2 inches	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE . . .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	29.4	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE . . .	3 1/2 x 5 1/4 inches	STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

NATIONAL MOTOR VEHICLE COMPANY

INDIANAPOLIS
INDIANA

Price	\$2150
Four-Passenger Roadster	2150
Four-Passenger Phaeton	2150
Four-Passenger Coupe	2800
Five-Passenger Touring Sedan . .	2750



NATIONAL HIGHWAY TWELVE TOURING

COLOR	Highway blue or highway gray	LUBRICATION	Full force feed
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	128 inches	IGNITION	Delco system
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Twelve	CLUTCH	Cone
ARRANGED	V type, 60 degrees	TRANSMISSION	Selective sliding
CAST	In sizes	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	39.68	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE . .	2¼ x 4¼ inches	STEERING GEAR . . .	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

COLE MOTOR CAR COMPANY

INDIANAPOLIS
I N D I A N A

Price. \$1695
Touring 1695
Toursedan 2295
Tourcoupe 2295



COLE EIGHT TUXEDO ROADSTER—861

COLOR	Body, Norland green; wheels, cream	BORE AND STROKE	3 ½ x 4 ½ inches
SEATING CAPACITY	Four	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4 ½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4 ½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	39.2 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

COLE MOTOR CAR COMPANY

INDIANAPOLIS
I N D I A N A

Price \$1695
Tuxedo Roadster 1695
Toursedan 2295
Tourcoupe 2295



COLE EIGHT TOURING—860

COLOR	Body, Norland green; wheels, cream	BORE AND STROKE	3½ x 4½ inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	39.2	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, tire pump, electric horn and demountable rims

COLE MOTOR CAR COMPANY

INDIANAPOLIS
I N D I A N A

Price.	\$2295
Touring	1695
Tuxedo Roadster	1695
Toursedan	2295



COLE EIGHT TOURCOUPE — 863

COLOR	American-flag blue	BORE AND STROKE . . .	3 1/2 x 4 1/2 inches
SEATING CAPACITY . .	Four	LUBRICATION	Force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	35 x 4 1/2 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	35 x 4 1/2 inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CANT	In fours	TRANSMISSION . . .	Selective sliding
HORSEPOWER	39.2 (N. A. C. C. Rating)	GEAR CHANGES . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**COLE MOTOR
CAR COMPANY**

**INDIANAPOLIS
I N D I A N A**

Price.	\$2295
Touring	1695
Tuxedo Roadster	1695
Tourcoupe	2295



COLE EIGHT TOURSEDAN — 862

COLOR	American-flag blue	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	127 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM.	Two unit
WHEELS	Wood	STARTER OPERATED.	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM.	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE.	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Eight	CLUTCH	Cone
ARRANGED	V type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In fours	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	39.2 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3½ x 4¼ inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**ABBOTT
CORPORATION**

**DETROIT
MICHIGAN**

Price	\$1920
Five-Passenger Touring	1295
Two-Passenger Speedster	1295
Four-Passenger Roadster	1295
Four-Passenger Motor Coach	1595



ABBOTT SEDAN — 6-44

COLOR	Body, blue; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	122 inches	IGNITION	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Single dry plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3 $\frac{1}{4}$ x 4 $\frac{1}{2}$ inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and worm gear

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**ABBOTT
CORPORATION**
**DETROIT
MICHIGAN**

Price	\$1295
Two-Passenger Speedster	1295
Four-Passenger Roadster	1295
Four-Passenger Motor Coach . . .	1595
Five-Passenger Sedan	1920



ABBOTT TOURING—6-44

COLOR	Body, blue; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	122 inches	IGNITION.	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Single dry plate
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE .	3¼ x 4½ inches	STEERING GEAR . . .	Worm and worm gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

OLD MOTOR WORKS

Price, \$1367

LANNING
MICHIGAN



STANDARD EQUIPMENT - 45

Engine	4-cyl. 10-hp. 1000 cc.	Max. speed 40 mph.	27.25 inches
Transmission	Manual		Four test
Clutch	Hand		Caliber
Water pump			Water pump
Storage battery			Storage battery
Two unit			Two unit
Lead to fly wheel			Lead to fly wheel
Electric			Electric
Starter			Starter
vacuum			vacuum
fan			fan
Automatic sliding			Automatic sliding
Three forward, one reverse			Three forward, one reverse
Swivel seat			Swivel seat
Full floating			Full floating
44 inch axle half nut			44 inch axle half nut

The Lanning Motor Works, Lanning, Michigan, is a complete automobile repair and maintenance shop.

**OLDS MOTOR
WORKS**

**LANSING
MICHIGAN**

Price \$1295
Sedan 1850
Cabriolet 1775



OLDSMOBILE TOURING — 45

COLOR	Body, royal blue, royal green or carmine; running gear, black	BORE AND STROKE .	2 $\frac{1}{4}$ x 4 $\frac{3}{4}$ inches
SEATING CAPACITY .	Five	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. .	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM. .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	26.45	GEAR CHANGES . . .	Three forward, one reverse
	(N. A. C. C. Rating)	DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and half-nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, clock, electric horn and demountable rims



OLDSMOBILE CLUB ROADSTER — 45

COLOR	Body, royal blue, royal green or carmine; running gear, black	BORE AND STROKE	2 $\frac{7}{8}$ x 4 $\frac{3}{4}$ inches
SEATING CAPACITY	Five	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	26.45	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and half-nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, clock, electric horn and demountable rims



OLDSMOBILE STANDARD ROADSTER — 45

COLOR	Body, royal blue, royal green or carmine; running gear, black	BORE AND STROKE . . .	2 3/8 x 4 3/4 inches
SEATING CAPACITY . .	Five	LUBRICATION	Force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM . . .	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM . . .	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM . . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	26.45 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and half-nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, electric horn and demountable rims

**THE
LEXINGTON-
HOWARD CO.
CONNERSVILLE
I N D I A N A**

Price	\$1185
Clubster	1185
Convertible Sedan	1350
Convertible Coupe	1350



LEXINGTON TOURING—6-0-17

COLOR	Body, green; wheels, cream	LUBRICATION	Splash with cir- culating pump
SEATING CAPACITY	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	116 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3¼ x 4½ inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**THE
LEXINGTON-
HOWARD CO.**

**CONNERSVILLE
I N D I A N A**

Price, \$2875



LEXINGTON TOURING—6-P

COLOR	Optional	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	144 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Chain to crankshaft
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	40.84	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	4¼ x 5¼ inches	STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**COLE MOTOR
CAR COMPANY**
**INDIANAPOLIS
I N D I A N A**

Price	\$2295
Touring	1695
Tuxedo Roadster	1695
Tour sedan	2295



COLE EIGHT TOURCOUPE — 863

COLOR	American-flag blue	BORE AND STROKE	3 1/2 x 4 1/2 inches
SEATING CAPACITY	Four	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	35 x 4 1/2 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	35 x 4 1/2 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	39.2 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**COLE MOTOR
CAR COMPANY**
**INDIANAPOLIS
I N D I A N A**

Price	\$2295
Touring	1695
Tuxedo Roadster	1695
Tourcoupe	2295



COLE EIGHT TOURSEDAN — 862

COLOR	American-flag blue	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water
WHEELBASE	127 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	35 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Eight	CLUTCH	Cone
ARRANGED	V type, 90 degrees	TRANSMISSION	Selective sliding
CAST	In fours	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	39.2 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE	3½ x 4½ inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**ABBOTT
CORPORATION**

**DETROIT
MICHIGAN**

Price	\$1920
Five-Passenger Touring	1295
Two-Passenger Speedster	1295
Four-Passenger Roadster	1295
Four-Passenger Motor Coach . .	1595



ABBOTT SEDAN — 6-44

COLOR	Body, blue; running gear, black	LUBRICATION	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	122 inches	IGNITION	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Single dry plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3 1/4 x 4 1/4 inches	REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and worm gear

In addition to above specifications, price includes windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

**A B B O T T
C O R P O R A T I O N**
**D E T R O I T
M I C H I G A N**

Price	\$1295
Two-Passenger Speedster	1295
Four-Passenger Roadster	1295
Four-Passenger Motor Coach . . .	1595
Five-Passenger Sedan	1920



ABBOTT TOURING—6-44

COLOR	Body, blue; running gear, black	LUBRICATION . . .	Force feed and splash
SEATING CAPACITY .	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	122 inches	IGNITION.	Storage battery and distributor
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Single dry plate
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Three-quarters floating
BORE AND STROKE .	3¼ x 4½ inches	STEERING GEAR . . .	Worm and worm gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

OLDS MOTOR WORKS

Price, \$1367

LANSING
MICHIGAN



OLDSMOBILE TOURING — 45

COLOR	Body, royal blue, royal green or carmine; running gear, black	BORE AND STROKE	2 $\frac{7}{8}$ x 4 $\frac{3}{4}$ inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	28.45	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and half-nut

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, electric horn and demountable rims

**OLDS MOTOR
WORKS**

**LANSING
MICHIGAN**

Price \$1295
Sedan 1850
Cabriolet 1775



OLDSMOBILE TOURING — 45

COLOR	Body, royal blue, royal green or car- mine; running gear, black	BORE AND STROKE . . .	2 $\frac{1}{4}$ x 4 $\frac{3}{4}$ inches
SEATING CAPACITY . .	Five	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. . .	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED. .	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM. . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	26.45 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and half-nut

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, clock, electric horn and demountable rims

OLDS MOTOR WORKS

LANSING
MICHIGAN

Price, \$1295



OLDSMOBILE CLUB ROADSTER — 45

COLOR	Body, royal blue, royal green or car- mine; running gear, black	BORE AND STROKE	2 $\frac{7}{8}$ x 4 $\frac{3}{4}$ inches
SEATING CAPACITY	Five	LUBRICATION	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Eight	GASOLINE SYSTEM	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	26.45 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and half-nut

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, clock, electric horn and demountable rims

OLDS MOTOR WORKS

LANSING
MICHIGAN

Price, \$1295



OLDSMOBILE STANDARD ROADSTER—45

COLOR	Body, royal blue, royal green or carmine; running gear, black	BORE AND STROKE .	2 $\frac{1}{8}$ x 4 $\frac{1}{4}$ inches
SEATING CAPACITY .	Five	LUBRICATION . . .	Force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	Storage battery
WHEELS	Wood	STARTING SYSTEM. .	Two unit
FRONT TIRES	33 x 4 inches	STARTER OPERATED.	Gear to fly wheel
REAR TIRES	33 x 4 inches, anti-skid	LIGHTING SYSTEM. .	Electric
SERVICE BRAKE . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Cone
CAST	In fours	TRANSMISSION . . .	Selective sliding
HORSEPOWER	26.45 (N. A. C. C. Rating)	GEAR CHANGES . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR . . .	Worm and half-nut

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, ammeter, clock, electric horn and demountable rims

**THE
LEXINGTON-
HOWARD CO.**

**CONNERSVILLE
I N D I A N A**

Price	\$1185
Clubster	1185
Convertible Sedan	1350
Convertible Coupe	1350



LEXINGTON TOURING—6-0-17

COLOR	Body, green; wheels, cream	LUBRICATION	Splash with cir- culating pump
SEATING CAPACITY .	Five	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	116 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED.	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . .	Contracting on rear wheels	WIRING SYSTEM . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM .	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION . . .	Selective sliding
CAST	En bloc	GEAR CHANGES . .	Three forward, one reverse
HORSEPOWER	25.35 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	3¼ x 4¼ inches	REAR AXLE	Full floating
		STEERING GEAR . .	Worm and gear

In addition to above specifications, price includes top, top hood, wind-
shield, speedometer, ammeter, tire pump, electric horn and demountable rims

**THE
LEXINGTON-
HOWARD CO.
CONNERSVILLE
I N D I A N A**

Price, \$2875



LEXINGTON TOURING—6-P

COLOR	Optional	LUBRICATION	Splash with circulating pump
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	144 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Chain to crank-shaft
FRONT TIRES	36 x 4½ inches	LIGHTING SYSTEM. .	Electric
REAR TIRES	36 x 4½ inches	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	40.84	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE .	4¼ x 5¼ inches	STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

CHANDLER MOTOR CAR COMPANY

CLEVELAND, OHIO

Price	\$1395
Seven-Passenger Touring.	1395
Four-Passenger Convertible Coupe	1995
Seven-Passenger Convertible Sedan	1995
Seven-Passenger Limousine	2695



CHANDLER ROADSTER—TYPE 17

COLOR	Body, blue; running gear and fenders, black	LUBRICATION	Pump over and splash
SEATING CAPACITY	Four	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	123 inches	IGNITION	High-tension magneto
GAUGE	56 inches	STARTING SYSTEM	Separate unit
WHEELS	Wood	STARTER OPERATED	Drive through fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six to seven
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES	Three forward, one reverse
HORSEPOWER	27.34	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	3¼ x 5 inches	STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, electric horn and demountable rims

CHANDLER MOTOR CAR COMPANY

CLEVELAND, OHIO

Price	\$1395
Four-Passenger Roadster	1395
Four-Passenger Convertible Coupe	1995
Seven-Passenger Convertible Sedan	1995
Seven-Passenger Limousine . . .	2695



CHANDLER TOURING—TYPE 17

COLOR	Body, blue; running gear and fenders, black	LUBRICATION	Pump over and splash
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	123 inches	IGNITION	High-tension magneto
GAUGE	56 inches	STARTING SYSTEM . .	Separate unit
WHEELS	Wood	STARTER OPERATED .	Drive through fly wheel
FRONT TIRES	34 x 4 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six to seven
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Single
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Vacuum
CYLINDERS	Six	CLUTCH	Plate
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In threes	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	27.34	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE .	3½ x 5 inches	STEERING GEAR . . .	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, electric horn and demountable rims

STANDARD STEEL CAR COMPANY

PITTSBURGH
PENNSYLVANIA

Price	\$2000
Open Sedan	2500
Limousine	3500
Roadster	1950



STANDARD TOURING—F

COLOR	Blue, green or gray	BORE AND STROKE . .	3¼ x 5 inches
SEATING CAPACITY .	Seven	LUBRICATION	Full force feed
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	127 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	High-tension magneto
WHEELS	Wood	STARTING SYSTEM . .	Two unit
FRONT TIRES	35 x 4½ inches, anti-skid	STARTER OPERATED .	Gear to fly wheel
REAR TIRES	35 x 4½ inches, anti-skid	LIGHTING SYSTEM . .	Electric
SERVICE BRAKE . . .	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE .	Expanding on rear wheels	WIRING SYSTEM . . .	Single
CYLINDERS	Eight	GASOLINE SYSTEM . .	Vacuum
ARRANGED	V type, 90 degrees	CLUTCH	Single plate
CAST	In fours	TRANSMISSION	Selective sliding
HORSEPOWER	33.8 (N. A. C. C. Rating)	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Spiral bevel
		REAR AXLE	Semi-floating
		STEERING GEAR	Irreversible worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and demountable rims

KISSEL MOTOR CAR COMPANY

HARTFORD
WISCONSIN

Price	\$1195
Five-Passenger Gibraltar Touring	1285
Five-Passenger All-Year Sedan	1635
Three-Passenger Roadster	1195
Four-Passenger Gibraltar Roadster	1285
Four-Passenger All-Year Coupe	1635
All-Year Town Car	1950



KISSEL KAR HUNDRED-POINT SIX TOURING

COLOR	Blue or black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Five	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	117 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	32 x 4 inches	LIGHTING SYSTEM	Electric
REAR TIRES	32 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	25.35	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	3¼ x 5 inches	STEERING GEAR	Split nut and worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

**KISSEL MOTOR
CAR COMPANY**

**HARTFORD
WISCONSIN**

Price	\$1635
Five-Passenger Touring	1195
Five-Passenger Gibraltar Touring	1285
Three-Passenger Roadster	1195
Four-Passenger Gibraltar Roadster	1285
Four-Passenger All-Year Coupe	1635
All-Year Town Car	1950



KISSEL KAR HUNDRED-POINT SIX ALL-YEAR SEDAN

COLOR	Blue or black	BORE AND STROKE	3¼ x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	117 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Single unit
FRONT TIRES	32 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35	GEAR CHANGES	Three
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Split nut and worm

In addition to above specifications, price includes windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

KISSEL MOTOR CAR COMPANY

HARTFORD
WISCONSIN

Price	\$2100
Gibraltar Touring	1750
All-Year Coupe	2000



KISSEL KAR ALL-YEAR SEDAN—6-42

COLOR	Blue or black	LUBRICATION	Splash with circulating pump
SEATING CAPACITY	Seven	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	128 inches	IGNITION	High-tension magneto and storage battery
GAUGE	56 inches	STARTING SYSTEM	Single unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	34 x 4½ inches	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Contracting on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Six	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three
HORSEPOWER	31.54	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE	3¼ x 5½ inches	STEERING GEAR	Split nut and worm

In addition to above specifications, price includes windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

CROW ELK- HART MOTOR COMPANY

ELKHART
INDIANA

Price, \$795



CROW ELKHART TOURING—35

COLOR	Body, optional; chassis, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Five	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	114 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	32 x 3½ inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	32 x 3½ inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Gravity
ARRANGED	Vertically	CLUTCH	Multiple disc in oil
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	19.6 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

CROW ELK- HART MOTOR COMPANY

ELKHART
INDIANA

Price, \$845



CROW ELKHART CLOVERLEAF—33

COLOR	Body, optional; running gear, black	BORE AND STROKE	3½ x 5 inches
SEATING CAPACITY	Four	LUBRICATION	Splash with cir- culating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	114 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wire	STARTING SYSTEM	Two unit
FRONT TIRES	31 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	31 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM	Gravity
ARRANGED	Vertically	CLUTCH	Multiple disc in oil
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	19.6 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Plain bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, electric horn and demountable rims

**THE
BAKER R. & L.
COMPANY**
CLEVELAND, OHIO

Price	\$3950
Roadster	3950
Four-Passenger Touring	3950
Limousine	5000
Landaulet	5200



OWEN MAGNETIC TOURING — O-36-4

COLOR	Optional	BORE AND STROKE	3 3/4 x 5 1/2 inches
SEATING CAPACITY	Seven	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	136 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Magneto
WHEELS	Wire	STARTING SYSTEM	Magnetic transmission
FRONT TIRES	35 x 5 inches, anti-skid	STARTER OPERATED	Hand control lever
REAR TIRES	35 x 5 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Expanding on rear wheels; also electric brake	VOLTAGES	Twenty-four
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Double
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	TRANSMISSION	Magnetic
CAST	En bloc	DRIVE	Spiral bevel
HORSEPOWER	33.75	REAR AXLE	Full floating
(N. A. C. C. Rating)		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, clock, tire pump, electric horn and extra wire wheel

EMPIRE AUTOMOBILE COMPANY

INDIANAPOLIS
INDIANA

Price \$1235
Sedan 1625



EMPIRE TOURING — 70

COLOR	Brown, or blue and black	BORE AND STROKE	3¼ x 4½ inches
SEATING CAPACITY	Seven	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	120 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wood	STARTING SYSTEM	Two unit
FRONT TIRES	34 x 4 inches	STARTER OPERATED	Gear to fly wheel
REAR TIRES	34 x 4 inches, anti-skid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	Contracting on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Six	GASOLINE SYSTEM	Vacuum
ARRANGED	Vertically	CLUTCH	Dry multiple disc
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	25.35 (N. A. C. C. Rating)	GEAR CHANGES	Three
		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, clock, tire pump, electric horn and demountable rims

THE WHITE MOTOR COMPANY

CLEVELAND, OHIO

Price	\$4600
Runabout	4600
Limousine	5800
Landaulet	5800
Cabriolet	6000
Town Car	5650
Sedan	5650
Coupe	5650



WHITE TOURING—16-VALVE—"4"

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY .	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	137½ inches	IGNITION	High-tension magneto
GAUGE	56 inches	STARTING SYSTEM . .	Two unit
WHEELS	Wood	STARTER OPERATED .	Gear to fly wheel
FRONT TIRES	37 x 5 inches	LIGHTING SYSTEM . .	Electric
REAR TIRES	37 x 5 inches	VOLTAGES	Twelve
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Double
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE System . .	Vacuum
CYLINDERS	Four	CLUTCH	Single plate in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES . . .	Four
HORSEPOWER	28.9 (N. A. C. C. Rating)	DRIVE	Spiral bevel
BORE AND STROKE .	4¼ x 5¼ inches	REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes top, top hood, wind-shield, speedometer, clock, tire pump, electric horn and demountable rims

THE WHITE MOTOR COMPANY

CLEVELAND, OHIO

Price	\$5800
Touring	4600
Runabout	4600
Landaulet	5800
Cabriolet	6000
Town Car	5650
Sedan	5650
Coupe	5650



WHITE LIMOUSINE—16-VALVE—"4"

COLOR	Optional	LUBRICATION	Force feed
SEATING CAPACITY	Seven	RADIATOR	Cellular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	137½ inches	IGNITION	High-tension magneto
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Gear to fly wheel
FRONT TIRES	37 x 5 inches	LIGHTING SYSTEM	Electric
REAR TIRES	37 x 5 inches	VOLTAGES	Twelve
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Double
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE System	Vacuum
CYLINDERS	Four	CLUTCH	Single plate in oil
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Four
HORSEPOWER	28.9	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Semi-floating
BORE AND STROKE	4¼ x 5¾ inches	STEERING GEAR	Worm and sector

In addition to above specifications, price includes windshield, speedometer, clock, tire pump, electric horn and demountable rims

**THE
PATHFINDER
COMPANY**

**INDIANAPOLIS
INDIANA**

Price \$2750
Cloverleaf Roadster . . . 2900



PATHFINDER LA SALLE TOURING — 2B

COLOR	Body, blue; running gear, black	BORE AND STROKE . . .	2¾ x 5 inches
SEATING CAPACITY . .	Seven	LUBRICATION	Full force feed
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	130 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION	Storage battery
WHEELS	Wire	STARTING SYSTEM . . .	Single unit
FRONT TIRES	35 x 5 inches	STARTER OPERATED . .	Gear to fly wheel
REAR TIRES	35 x 5 inches, anti-skid	LIGHTING SYSTEM . . .	Electric
SERVICE BRAKE	Expanding on rear wheels	VOLTAGES	Six
EMERGENCY BRAKE . . .	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Twelve	GASOLINE SYSTEM . . .	Vacuum
ARRANGED	V type, 60 degrees	CLUTCH	Dry multiple disc
CAST	In three	TRANSMISSION	Selective sliding
HORSEPOWER	39.68	GEAR CHANGES	Three forward, one reverse
(N. A. C. C. Rating)		DRIVE	Spiral bevel
		REAR AXLE	Full floating
		STEERING GEAR	Worm

In addition to above specifications, price includes top, top hood, windshield, speedometer, ammeter, voltmeter, tire pump, electric horn and demountable rims

**ILLUSTRATIONS AND
SPECIFICATIONS
ELECTRIC
VEHICLES**



GENERAL OPERATING COST

Electric Vehicles

There has been considerable demand for reliable information on the cost of operating electric vehicles and as is well understood, the peculiarities of the service in each particular instance may seriously influence the cost, hence, data procured from specific cases may not be applicable elsewhere. It has, therefore, been desirable to determine upon a table covering the various sizes of machines which would be based upon actual operating experience covering a great variety of installations in normal city service.

The following table is, therefore, intended to give a fair illustration of the cost of operating electric vehicles under normal conditions where the machine service does not exceed the capacity of one battery charge per day.

The figures given in this table may be reduced in many cases where special care is exercised in supervising the equipment and the service rendered, and it naturally follows that there will be other cases where the severity of service or operating conditions will necessarily increase these figures. They are intended to indicate those which will likely exist in the majority of city installations. For particular or individual cases other figures can of course be substituted for those in the table.

Depreciation at 10% should provide one complete equipment renewal in ten years, as depreciation gradually reduces the investment, a 3% rate of interest may be considered more equitable.

With alkaline battery equipment investment and interest will be higher, depreciation and maintenance lower, and power consumption higher than shown in the table. However, over any extended period the resultant operating cost will not differ radically from that given in table on next page.

GENERAL OPERATING COST

Electric Vehicles

Based upon figures which are as nearly representative as possible with the varying equipments on the market at present

CAPACITY *ASSUMED PRICE	700 lb. \$1,500	1,000 lb. \$2,200	2,000 lb. \$2,600	3,000 lb. \$3,000	4,000 lb. \$3,400	7,000 lb. \$4,000	10,000 lb. \$4,500
Fixed Charges							
Interest at 6%.....	\$90.	\$132.	\$156.	\$180.	\$204.	\$240.	\$270.
Depreciation at 10%....	150.	220.	260.	300.	340.	400.	450.
Fire Insurance at 1%....	15.	22.	26.	30.	34.	40.	45.
Liability Insurance....	100.	100.	100.	100.	100.	100.	100.
	— \$355.	— \$474.	— \$542.	— \$610.	— \$678.	— \$780.	— \$865.
Maintenance							
Battery Upkeep.....	170.	180.	200.	240.	285.	365.	415.
Tire Upkeep.....	119.	156.	212.	225.	306.	450.	575.
Mech. Parts Upkeep...	50.	60.	80.	90.	100.	125.	150.
	— 339.	— 396.	— 492.	— 555.	— 691.	— 940.	— 1,140.
Garaging							
Electric Power.....	120.	140.	170.	240.	300.	360.	400.
Storage & Washing....	180.	180.	180.	180.	180.	180.	180.
Garage Labor.....	100.	120.	160.	180.	200.	250.	300.
	— 400.	— 440.	— 510.	— 600.	— 680.	— 790.	— 880.
Annual Operating Cost	\$1,094.	\$1,310.	\$1,544.	\$1,765.	\$2,049.	\$2,510.	\$2,885.
Daily Cost (312 days)	\$3.51	\$4.20	\$4.95	\$5.66	\$6.57	\$8.04	\$9.25
Drivers per Day.....	2.00	2.00	2.50	2.50	2.50	3.00	3.00
Total Daily Cost.....	\$5.51	\$6.20	\$7.45	\$8.16	\$9.07	\$11.04	\$12.25

* This assumed price includes complete vehicle with the average type of body. Increase or decrease in these prices (if not radical) will not seriously alter the operation charges.

WARD MOTOR VEHICLE COMPANY

MT. VERNON
NEW YORK

Price, Chassis \$760



WARD SPECIAL

COLOR Brewster green
CARRYING CAPACITY . . Approximately 750
pounds

BODY:

LENGTH ALL OVER . . 100 inches
WIDTH ALL OVER . . 45 inches
WHEELBASE 88 inches
GAUGE 56 inches
WHEELS Wood
FRONT TIRES 32 x 2½ inches, solid
REAR TIRES 32 x 2½ inches, solid

BRAKE SYSTEMS . . . Foot brake expand-
ing into rear hubs;
hand brake oper-
ing on propeller
shaft

BATTERY 42 cell, 9 thin plate
lead

SPEED 10 miles per hour

SPEEDS Four forward,
two reverse

CONTROL Lever on steering
post

STEERING Wheel

**WALKER
VEHICLE
COMPANY**
MANUFACTURERS OF MOTOR VEHICLES AND TRUCKS
**CHICAGO
ILLINOIS**

**Price, Chassis \$1500 to \$3100
(Without Battery)**



WALKER ONE-HALF-TON TO FIVE-TON TRUCK

COLOR	Priming	BRAKE SYSTEMS . .	Expanding and contracting on rear wheels
LOAD CAPACITY . . .	1½ ton to 5 tons	BATTERY	Edison or Lead optional
BODY:		SPEEDS	Five forward, five reverse
LENGTH OVER ALL .	To suit user	SPEED	10 to 16 miles per hour
WIDTH OVER ALL .	To suit user	CONTROL	Lever operated
WHEELBASE	90 to 144 inches	STEERING	Wheel
GAUGE	56 to 62 inches		
WHEELS	Pressed steel		
FRONT TIRES	S.A.E. Std. Pressed on type		
REAR TIRES	S.A.E. Std. Pressed on type		

ANDERSON ELECTRIC CAR COMPANY

DETROIT
MICHIGAN

Price	\$2275
Cabriolet	2175
Forward Drive Brougham	2350
Rear Drive Brougham	2325
Duplex Drive Brougham	2375
Rear Drive Brougham	1775



DETROIT ELECTRIC BROUGHAM — 63

COLOR	Detroit gray green, Royal blue or Brewster green	REAR TIRES	34½ x 4½ inches, anti-skid, pneu- matic or cushion
SEATING CAPACITY . .	Four	BRAKE SYSTEMS . .	Expanding on rear wheels; also mag- netic controller brake
BODY:		BATTERY	42 cells, 15 plate
LENGTH OVER ALL	142 inches	SPEED	24 miles per hour
WIDTH OVER ALL.	67 inches	NO. FORWARD SPEEDS	Five
WHEELBASE	100 inches	NO. REVERSE SPEEDS	Five
GAUGE	57 inches	CONTROL	Lever operated
WHEELS	Wire	STEERING	Lever
FRONT TIRES	34 x 4½ inches, pneumatic or 36 x 4½ inches, cushion		

**THE
BAKER R. & L.
COMPANY**

CLEVELAND, OHIO

Price, \$3000



RAUCH & LANG COACH

COLOR	Optional	REAR TIRES	34 x 4½ inches, pneumatic, or 36 x 4½ inches, cushion
SEATING CAPACITY .	Five	BRAKE SYSTEMS . .	Contracting on motor and expanding on rear wheels; also electric brake
BODY:		BATTERY.	42 cells, 11 or 13 plate
LENGTH OVER ALL	144 inches	SPEED.	26 miles per hour
WIDTH OVER ALL.	64 inches	NO. FORWARD SPEEDS	6
WHEELBASE	102 inches	NO. REVERSE SPEEDS	3
GAUGE	56 inches	CONTROL	Dual lever
WHEELS	Wire or wood	STEERING	Lever
FRONT TIRES	34 x 4½ inches, pneumatic, or 36 x 4½ inches, cushion		

**MILBURN
WAGON
COMPANY**

TOLEDO, OHIO

Price \$1685
Town Car . . 1995



MILBURN LIGHT ELECTRIC BROUGHAM — 22

COLOR	Body, blue; running gear, black	REAR TIRES	32 x 3½ inches, pneumatic
SEATING CAPACITY .	Four	BRAKE SYSTEMS . .	Contracting and expanding on rear wheels
BODY:		BATTERY	22 cells, 17 plate, or 40 cells, 11 plate
LENGTH OVER ALL	137 inches	SPEED	25 miles per hour
WIDTH OVER ALL.	61 inches	NO. FORWARD SPEEDS	Five
WHEELBASE	105 inches	NO. REVERSE SPEEDS	Two
GAUGE	56 inches	CONTROL	Lever
WHEELS	Wood	STEERING	Lever
FRONT TIRES	32 x 3½ inches, pneumatic		

**THE OHIO
ELECTRIC
CAR COMPANY**

TOLEDO, OHIO

Price	\$3250
Double-Drive Brougham . . .	3250
Single-Drive Brougham . . .	2900
Single-Drive Coupe	2400
Single-Drive Roadster	2650



OHIO ELECTRIC—43

COLOR	Coach blue	REAR TIRES	34 x 4½ inches, pneumatic or cushion, anti-skid
SEATING CAPACITY .	Five	BRAKE SYSTEMS . .	Contracting on rear wheels
BODY:		BATTERY	40 cells, 13 plate
LENGTH OVER ALL	147½ inches	SPEED	28 miles per hour
WIDTH OVER ALL	65 inches	NO. FORWARD SPEEDS	Five
WHEELBASE	103 inches	NO. REVERSE SPEEDS	Three
GAUGE	56 inches	CONTROL	Magnetic
WHEELS	Wire or wood	STEERING	Lever
FRONT TIRES . . .	34 x 4½ inches, pneumatic or cushion		

WOODS
MOTOR
VEHICLE
COMPANY
CHICAGO
ILLINOIS

Price, \$2650



WOODS DUAL POWER — 44

COLOR	Body, blue or green; wheels, light straw	BRAKE SYSTEMS . .	Expanding on rear wheels; also dynamic brake
SEATING CAPACITY .	Four	CYLINDERS	Four
BODY:		ARRANGED	Vertically
LENGTH OVER ALL	150 inches	HORSEPOWER	10
WIDTH OVER ALL .	65 inches	BORE AND STROKE .	2½ x 3½ inches
WHEELBASE	110 inches	BATTERY	24 cells, 11 plate
GAUGE	56 inches	SPEED	35 miles per hour
WHEELS	Wood	NO. FORWARD SPEEDS	Unlimited
FRONT TIRES	34 x 4 inches, pneumatic	NO. REVERSE SPEEDS	Unlimited
REAR TIRES	34 x 4 inches, pneumatic	CONTROL	Foot or lever
		STEERING	Wheel

**GENERAL
VEHICLE
COMPANY
INCORPORATED**

**LONG ISLAND CITY
NEW YORK**

Price	\$2600
With Express Body, With or Without Top	2975
With Panel Body, Plain or Scroll	3200
With Stake Body, With or Without Top	2900



G. V. ELECTRIC TWO-TON TRUCK

COLOR	Lead	REAR TIRES	36 x 3 inches, dual solid
CARRYING CAPACITY.	4000 pounds	BRAKE SYSTEMS	Expanding on rear wheels and con- tracting on coun- tershaft
BODY:		BATTERY.	44 cells, 17 plate
LENGTH OF LOAD- ING SPACE	120 inches	SPEED	9 miles per hour
WIDTH	56 inches	NO. FORWARD SPEEDS	Five
WHEELBASE	112 inches	NO. REVERSE SPEEDS	Two
GAUGE	61 inches	CONTROL	Lever
WHEELS	Wood	STEERING	Wheel
FRONT TIRES	36 x 4 inches, single solid		

**ILLUSTRATIONS AND
SPECIFICATIONS
GASOLINE
COMMERCIAL
VEHICLES**

N. A. C. C. DEFINITION OF STANDARD CHASSIS FOR GASOLINE COMMERCIAL VEHICLES

A STANDARD chassis of a commercial vehicle to be propelled by an internal combustion engine shall consist of an assembly of all essential parts of a truck chassis with protective housings, ready for operation on the road, including, as minimum equipment, a set of tires attached to wheels; driver's seat with padding or cushion on all chassis rated at one-ton capacity or more; front wheel fenders; running board or mounting step; tool compartment; priming coat of lead on all parts to be painted; pair of front lights and one tail lamp; license brackets; warning signal; jack and a set of tools commonly used for making adjustments and minor repairs on the road.

N. A. C. C. DEFINITION OF STANDARD CHASSIS FOR ELECTRIC COMMERCIAL VEHICLES

A STANDARD chassis of a commercial vehicle to be propelled by electricity shall consist of a running gear, motor, battery cradle or box, driving and control mechanism and wiring, with all essential parts, fittings and protective housings thereof, assembled complete ready for operation on the road with the exception of a battery; a priming coat of lead on all parts to be painted; and, as minimum equipment, a set of tires attached to wheels; pair of front lights and one tail lamp, with necessary wiring installed; license brackets; charging plug and cable; odometer; warning signal, and set of tools commonly used for making adjustments and minor repairs on the road.

**THE GRAMM
MOTOR TRUCK
CO., MANUFACTURERS OF
GARFORD
MOTOR
TRUCKS**

LIMA, OHIO

Price, Chassis \$2000

One-Ton . . . 1700

Two-Ton . . . 2600



GARFORD ONE-AND-ONE-HALF-TON TRUCK — 66

COLOR	Lead	HORSEPOWER	22.5
CARRYING CAPACITY.	3000 pounds	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left or right side	BORE AND STROKE	3¼ x 5½ inches
WHEELBASE	142 inches	LUBRICATION	Splash with circulating pump
GAUGE	Front, 56 inches; rear, 58¾ inches	RADIATOR	Cellular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 3½ inches, single solid	IGNITION.	High-tension magneto
REAR TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Expanding on rear wheels	CLUTCH	Dry multiple disc
EMERGENCY BRAKE	Contracting on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Worm
CAST	En bloc	REAR AXLE	Full floating
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes odometer, driver's seat and horn

**THE GRAMM
MOTOR TRUCK
CO., MANUFAC-
TURERS OF
GARFORD
MOTOR
TRUCKS**

LIMA, OHIO

Price, Chassis, \$3700



GARFORD THREE-AND-ONE-HALF-TON TRUCK—77

COLOR	Lead	HORSEPOWER	28.9 (N. A. C. C. Rating)
CARRYING CAPACITY.	7000 pounds	BORE AND STROKE	4½ x 6 inches
POSITION OF DRIVER	Right side	LUBRICATION	Splash with circulating pump
WHEELBASE	128 inches	RADIATOR	Cellular
GAUGE	Front, 62¼ inches; rear, 65 inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	40 x 5 inches, dual solid	CLUTCH	Dry multiple disc
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Contracting on propeller shaft	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	En bloc	STEERING GEAR	Worm and nut

In addition to above specifications, price includes odometer, cab, windshield, side curtains, searchlight and horn

**THE GRAMM
MOTOR TRUCK
CO., MANUFAC-
TURERS OF
GARFORD
MOTOR
TRUCKS**

LIMA, OHIO

**Price, Chassis \$4700
Five-Ton . . . 4500**



GARFORD SIX-TON TRUCK—69

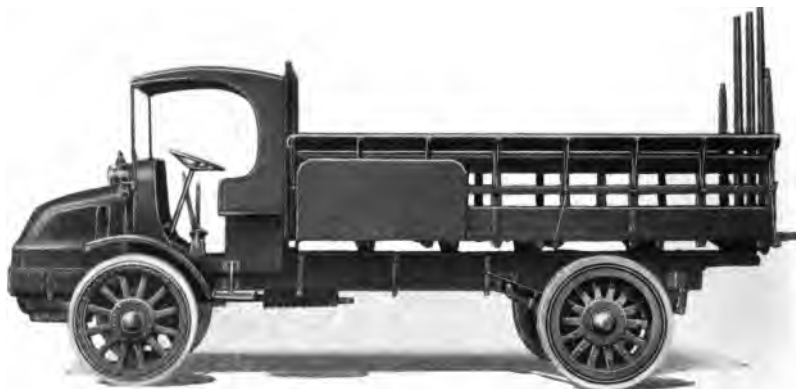
COLOR	Lead	HORSEPOWER	41.61 (N. A. C. C. Rating)
CARRYING CAPACITY.	12,000 pounds	BORE AND STROKE . .	5-1/10 x 5 1/4 inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed and splash
WHEELBASE	128 inches	RADIATOR	Tubular
GAUGE	Front, 87 1/4 inches; rear, 73 inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 6 inches, single solid	LIGHTING SYSTEM . .	Gas and oil
REAR TIRES	40 x 7 inches, dual solid	GASOLINE SYSTEM . .	Gravity
SERVICE BRAKE . . .	Contracting on countershaft	CLUTCH	Dry multiple disc
EMERGENCY BRAKE . .	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES . . .	Four forward, one reverse
ARRANGED	Vertically	DRIVE	Side chain
CAST	In pairs	REAR AXLE	Dead
		STEERING GEAR	Worm and nut

In addition to above specifications, price includes odometer, cab, windshield, side curtains, searchlight and horn

WALTER MOTOR TRUCK COMPANY

49-51 WEST 66th
STREET
NEW YORK, N. Y.

Price, Chassis	\$4750
Six-Ton	5000
Seven-and-One-half-Ton	5250
Five-Ton Rear Drive	4200
Six-Ton " "	4400
Seven-and-One-half-Ton Rear Drive	4500



WALTER FOUR-WHEEL-DRIVE FIVE-TON TRUCK

COLOR	Lead	CAST	En bloc
CARRYING CAPACITY	Five tons	HORSEPOWER	30.63 (N. A. C. C. Rating)
POSITION OF DRIVER	Left side	BORE AND STROKE	4 3/4 x 6 inches
WHEELBASE	96 to 168 inches	LUBRICATION	Force feed with circulating pump
GAUGE	Front, 66 inches; rear, 66 inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	40 x 6 inches, single solid	IGNITION	High-tension magnet to
REAR TIRES	40 x 5 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on transmission shaft	CLUTCH	Cone
EMERGENCY BRAKE	Contracting on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four and reverse
ARRANGED	Vertically, under hood	DRIVE	Spur gear to wheels
		REAR AXLE	Dead
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes cab

**STERLING
MOTOR TRUCK
C O M P A N Y**

**M I L W A U K E E
W I S C O N S I N**

Seven-Ton Chassis	} Prices Upon Applica- tion
With Hydraulic Hoist and Steel Dump Body	
With Platform Stake Body	
With Express Body	



STERLING SEVEN-TON TRUCK

COLOR	Battleship gray	BORE AND STROKE	4¾ x 6¾ inches
CARRYING CAPACITY.	14,000 pounds	LUBRICATION	Splash with circulating pump
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	168 inches	COOLING	Water pump
GAUGE	Rear, 82 inches	IGNITION.	High-tension magneto and storage battery
WHEELS	Metal	GASOLINE SYSTEM	Gravity
FRONT TIRES	36 x 6 inches, single solid	CLUTCH	Multiple disc in oil
REAR TIRES	40 x 7 inches, dual solid	TRANSMISSION	Individual jaw clutch, constant in mesh
SERVICE BRAKE	Contracting on jack shaft	GEAR CHANGES	Three forward, one reverse
EMERGENCY BRAKE	Expanding on rear wheels	DRIVE	Double side chains
CYLINDERS	Four	REAR AXLE	Dead
ARRANGED	Vertically	STEERING GEAR	Nut and worm
CAST	In pairs		
HORSEPOWER	36.1		
	(N. A. C. C. Rating)		

In addition to above specifications, price includes cab, curtains, windshield, hub odometer and horn

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**B U F F A L O
N E W Y O R K**

Price, Chassis, \$3000



PIERCE-ARROW TWO-TON TRUCK—X-2

COLOR	Optional	CAST	In pairs
CARRYING CAPACITY.	Two tons	HORSEPOWER	25.6
POSITION OF DRIVER	Right side	(N. A. C. C. Rating)	
WHEELBASE	150 or 180 inches	BORE AND STROKE	4 x 5½ inches
GAUGE	56 inches	LUBRICATION	Force feed
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	36 x 4 inches, single solid	COOLING	Water
REAR TIRES	36 x 4 inches, dual solid	IGNITION.	High-tension magneto
SERVICE BRAKE	Contracting on transmission	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward, one reverse
		DRIVE	Worm
		REAR AXLE	Full floating
		STEERING GEAR	Screw and nut

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**B U F F A L O
N E W Y O R K**

Price, Chassis, \$4500



PIERCE-ARROW FIVE-TON TRUCK—R-5

COLOR	Optional	HORSEPOWER	38.03 (N. A. C. C. Rating)
CARRYING CAPACITY	Five tons	BORE AND STROKE	4 $\frac{1}{8}$ x 6 inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed
WHEELBASE	168 or 204 inches	RADIATOR	Tubular
GAUGE	64 inches	COOLING	Water
WHEELS	Wood	IGNITION	High-tension magneto and dry batteries
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	40 x 6 inches, dual solid	CLUTCH	Cone
SERVICE BRAKE	Contracting on transmission	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Three forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	In pairs	STEERING GEAR	Screw and nut

**PIERCE-ARROW
MOTOR CAR
COMPANY**

**B U F F A L O
N E W Y O R K**

Price, Chassis, \$3000



PIERCE-ARROW TWO-TON TRUCK—X-2

COLOR	Optional	CAST	In pairs
CARRYING CAPACITY.	Two tons	HORSEPOWER	25.6
POSITION OF DRIVER	Right side	(N. A. C. C. Rating)	
WHEELBASE	150 or 180 inches	BORE AND STROKE	4 x 5½ inches
GAUGE	56 inches	LUBRICATION	Force feed
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	36 x 4 inches, single solid	COOLING	Water
REAR TIRES	36 x 4 inches, dual solid	IGNITION.	High-tension magneto
SERVICE BRAKE	Contracting on transmission	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward, one reverse
		DRIVE	Worm
		REAR AXLE	Full floating
		STEERING GEAR	Screw and nut

**VELIE
MOTOR
VEHICLE
COMPANY**

MOLINE, ILLINOIS

Price, Chassis, \$3350



VELIE "BILTVEL" THREE-AND-ONE-HALF-TON TRUCK—26

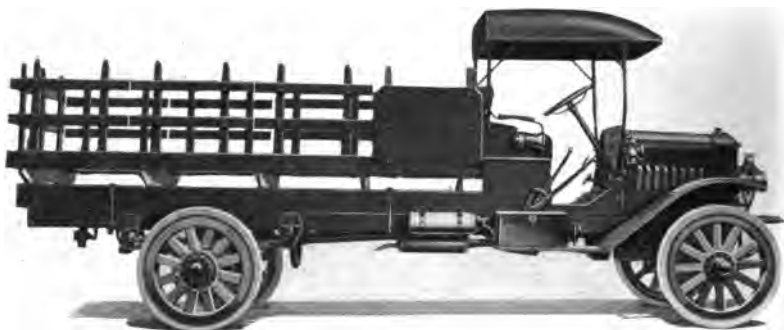
COLOR	Lead	HORSEPOWER	32.4
CARRYING CAPACITY.	Three and one-half tons	(N. A. C. C. Rating)	
POSITION OF DRIVER	Right side	BORE AND STROKE	4 1/4 x 5 1/2 inches
WHEELBASE	148 or 172 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 62 inches; rear, 66 3/4 inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION	High tension magneto
REAR TIRES	40 x 5 inches, dual solid	LIGHTING SYSTEM.	Gas
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Plate
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Four forward
CAST	In pairs	DRIVE	Worm
		REAR AXLE	Full floating
		STEERING GEAR	Irreversible worm and gear

In addition to above specifications, price includes top, odometer and curtains

VELIE MOTOR VEHICLE COMPANY

MOLINE, ILLINOIS

Price, Chassis, \$2250



VELIE "BILTWEL" TWO-TON TRUCK—25

COLOR	Lead	HORSEPOWER	27.23 (N. A. C. C. Rating)
CARRYING CAPACITY.	Two tons	BORE AND STROKE . . .	4½ x 5½ inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed and splash
WHEELBASE	135 or 150 inches	RADIATOR	Tubular
GAUGE	58½ inches	COOLING	Water pump
WHEELS	Wood	IGNITION	High tension magneto
FRONT TIRES	36 x 4 inches, single solid	LIGHTING SYSTEM. . .	Gas
REAR TIRES	36 x 3½ inches, dual solid	GASOLINE SYSTEM . . .	Vacuum
SERVICE BRAKE	Expanding on rear wheels	CLUTCH	Plate
EMERGENCY BRAKE . . .	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four forward, one reverse
ARRANGED	Vertically	DRIVE	Worm
CAST	En bloc	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes top, odometer and curtains

**V E L I E
M O T O R
V E H I C L E
C O M P A N Y**

MOLINE, ILLINOIS

Price, Chassis, \$3350



VELIE "BILTWEL" THREE-AND-ONE-HALF-TON TRUCK—26

COLOR	Lead	HORSEPOWER	32.4 (N. A. C. C. Rating)
CARRYING CAPACITY.	Three and one-half tons	BORE AND STROKE . . .	4 1/4 x 5 1/2 inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed and splash
WHEELBASE	148 or 172 inches	RADIATOR	Tubular
GAUGE	Front, 62 inches; rear, 66 3/4 inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High tension magneto
FRONT TIRES	36 x 5 inches, single solid	LIGHTING SYSTEM. . .	Gas
REAR TIRES	40 x 5 inches, dual solid	GASOLINE SYSTEM . .	Vacuum
SERVICE BRAKE . . .	Expanding on rear wheels	CLUTCH	Plate
EMERGENCY BRAKE .	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES . . .	Four forward
ARRANGED	Vertically	DRIVE	Worm
CAST	In pairs	REAR AXLE	Full floating
		STEERING GEAR	Irreversible worm and gear

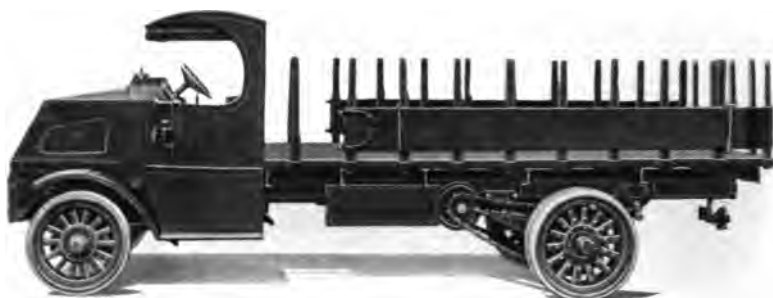
In addition to above specifications, price includes top, odometer and curtains

**INTERNATIONAL
MOTOR
COMPANY**

**MACK
BROTHERS
MOTOR
DEPARTMENT**

64th STREET AND
WEST END AVENUE
NEW YORK, N. Y.

Price, Chassis, \$4250



MACK FIVE-AND-ONE-HALF-TON TRUCK — AC

COLOR	Lead	HORSEPOWER	40
CARRYING CAPACITY.	5½ tons	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left side	BORE AND STROKE . . .	5 x 6 inches
WHEELBASE	156, 168 or 180 inches; (tractor, 119 inches)	LUBRICATION	Splash with circulating pump
GAUGE	Front, 68 inches; rear, 74½ inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 6 inches, single solid	IGNITION.	High-tension magneto
REAR TIRES	40 x 6 inches, dual solid	GASOLINE SYSTEM . . .	Gravity
SERVICE BRAKE . . .	Contracting on jackshafts	CLUTCH	Dry plate
EMERGENCY BRAKE .	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Double chain
CAST	In pairs	REAR AXLE	Dead
		STEERING GEAR	Worm and gear

In addition to above specifications, price includes driver's seat, drop side doors, horn and hub odometer

INTERNATIONAL MOTOR COMPANY

SAURER MOTOR DEPARTMENT

WEST END AVENUE
AND 64th STREET
NEW YORK, N. Y.

Price, Chassis, \$4800



SAURER FIVE-TON TRUCK—L

COLOR	Lead	HORSEPOWER	29.75 (N. A. C. C. Rating)
CARRYING CAPACITY.	Five tons	BORE AND STROKE	4 $\frac{1}{4}$ x 5 $\frac{1}{2}$ inches
POSITION OF DRIVER	Right side	LUBRICATION	Full splash with mechanical oiler
WHEELBASE	153 $\frac{1}{2}$ inches	RADIATOR	Cellular
GAUGE	66 $\frac{1}{4}$ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM	Pressure
REAR TIRES	42 x 5 inches, dual solid	CLUTCH	Cone
SERVICE BRAKE	Contracting on differential	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Double chain
ARRANGED	Vertically	REAR AXLE	Dead
CAST	In pairs	STEERING GEAR	Worm and sector

In addition to above specifications, price includes horn

**LOCOMOBILE
COMPANY
OF AMERICA**
BRIDGEPORT
CONNECTICUT

Price, \$3500



RYKER THREE-TON TRUCK—B

COLOR	Lead	HORSEPOWER	25.9
CARRYING CAPACITY	8000 pounds	(N. A. C. C. Rating)	
POSITION OF DRIVER	Right side	BORE AND STROKE	4 1/2 x 6 inches
WHEEL BASE	150 or 170 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 80 inches; rear, 86 inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION	High tension mag- neto and storage battery
REAR TIRES	36 x 5 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting, on propeller shaft	CLUTCH	Cone
EMERGENCY BRAKE	Expanding, on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four forward, one reverse
ARRANGED	Vertically	DRIVE	Worm
CASE	In pairs	REAR AXLE	Full floating
		STEERING GEAR	Worm and nut

LOCOMOBILE C O M P A N Y O F A M E R I C A

BRIDGEPORT
CONNECTICUT

Price, \$3650



RIKER FOUR-TON TRUCK—BB

COLOR	Lead	HORSEPOWER	28.9
CARRYING CAPACITY.	8000 pounds	(N. A. C. C. Rating)	
POSITION OF DRIVER	Right side	BORE AND STROKE	4 1/4 x 6 inches
WHEELBASE	150, 170 or 190 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 60 inches; rear, 66 inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION.	High tension magneto and storage battery
REAR TIRES	36 x 6 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on propeller shaft	CLUTCH	Cone
EMERGENCY BRAKE.	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four forward, one reverse
ARRANGED	Vertically	DRIVE	Worm
CAST	In pairs	REAR AXLE	Full floating
		STEERING GEAR	Worm and nut

**THE KELLY-
SPRINGFIELD
MOTOR TRUCK
COMPANY**
SPRINGFIELD
O H I O

Price, Chassis	\$2250
With Express Body	2390
With Express Body and Storm Curtains	2450
With Combination Low Panel and Stake Body	2400
With Plain Stake Body	2400



KELLY 3000-POUND TRUCK — K 32

COLOR	Lead	CASE	En bloc
CARRYING CAPACITY.	3000 pounds	HORSEPOWER	22.5
POSITION OF DRIVER	Left or right side	N. A. C. C.	Rating)
WHEELBASE	110 to 180 inches	BORE AND STROKE	3 3/4 x 5 3/4 inches
GAUGE	Front, 57 or 60 inches, rear, 60 inches	LUBRICATION	Force feed and splash
WHEELS	Wood	RADIATOR	Cellular
FRONT TIRES	36 x 3 1/2 inches, single solid	COOLING	Water pump
REAR TIRES	40 x 6 inches, single solid	IGNITION.	High-tension magneto
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward, one reverse
		DRIVE	Worm
		AXLE AXES	Semi-floating
		MOUNTING BRACK	Worm and wheel

*Full load capacity of 3000 lbs. includes driver and cargo.

**THE KELLY-
SPRINGFIELD
MOTOR TRUCK
C O M P A N Y**

**SPRINGFIELD
O H I O**

Price, Chassis \$3650
With Combination Low Panel
and Stake Body 3825
With Hydraulic Hoist Steel
Dump Body 4150



KELLY THREE-AND-ONE-HALF-TON TRUCK — K 40

COLOR	Lead	HORSEPOWER	32.4
CARRYING CAPACITY.	7000 pounds	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left or right side	BORE AND STROKE	4½ x 6½ inches
WHEELBASE	116 to 208 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 70 inches; rear, 73¾ inches	RADIATOR	Cellular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION	High-tension magneto
REAR TIRES	40 x 5 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Expanding on rear wheels	CLUTCH	Cone
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Side chain
CAST	In pairs	REAR AXLE	Dead
		STEERING GEAR	Worm and wheel

In addition to above specifications,
 price includes horn and demountable rims

THE KELLY- SPRINGFIELD MOTOR TRUCK C O M P A N Y

SPRINGFIELD
O H I O

Price, Chassis \$4400
With Hydraulic Holst Steel
Dump Body 4950



KELLY FIVE-TON TRUCK — K 50

COLOR	Lead	HORSEPOWER	32.4 (N. A. C. C. Rating)
CARRYING CAPACITY.	10,000 pounds	BORE AND STROKE	4½ x 6¼ inches
POSITION OF DRIVER	Left or right side	LUBRICATION	Force feed and splash
WHEELBASE	116 to 208 inches	RADIATOR	Cellular
GAUGE	Front, 70 inches; rear, 75¼ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 6 inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	40 x 6 inches, dual solid	CLUTCH	Cone
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Three forward, one reverse
CYLINDERS	Four	DRIVE	Side chain
ARRANGED	Vertically	REAR AXLE	Dead
CAST	In pairs	STEERING GEAR	Worm and wheel

In addition to above specifications,
price includes horn and demountable rims

**GENERAL
MOTORSTRUCK
COMPANY**
PONTIAC
MICHIGAN

Price	\$1265
With Open Flareboard Body . .	1225
With Screen Side Express Body .	1350
With Panel Body	1450
With Stake Platform Body . .	1275



G. M. C. 1500-POUND TRUCK — 15

COLOR	Maroon	BORE AND STROKE .	3½ x 5 inches
CARRYING CAPACITY.	1500 pounds	LUBRICATION . . .	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	122 inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	High-tension magneto
WHEELS	Wood	GASOLINE SYSTEM .	Gravity
FRONT TIRES	35 x 5 inches	CLUTCH	Cone
REAR TIRES	35 x 5 inches	TRANSMISSION . . .	Selective sliding
SERVICE BRAKE . . .	Contracting on rear wheels	GEAR CHANGES . .	Three forward, one reverse
EMERGENCY BRAKE .	Expanding on rear wheels	DRIVE	Plain bevel
CYLINDERS	Four	REAR AXLE	Three-quarter floating
ARRANGED	Vertically	STEERING GEAR . .	Screw and nut
CAST	En bloc		
HORSEPOWER	19.6		
(N. A. C. C. Rating)			

In addition to above specifications, price includes top and demountable rims

**THE AUTOCAR
C O M P A N Y**

**A R D M O R E
P E N N S Y L V A N I A**

Price, Chassis \$1650
With Open Body 1800
With Express Body 1875
**With Coal or Contractor Body
and Power Hoist Attachment. 2150**



THE AUTOCAR—XXI-F

COLOR	Optional	HORSEPOWER	18 (N. A. C. C. Rating)
CARRYING CAPACITY	4000 pounds	BORE AND STROKE	4¼ x 4¼ inches
POSITION OF DRIVER	Right side over motor	LUBRICATION	Full splash
WHEELBASE	97 inches	RADIATOR	Tubular
GAUGE	58 inches	COOLING	Water pump
WHEELS	Wood	IGNITION	High-tension magneto
FRONT TIRES	34 x 4 inches solid; or 36 x 5 inches pneumatic	LIGHTING SYSTEM	Gas
REAR TIRES	34 x 5 inches solid; or 36 x 5 inches pneumatic	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on rear wheels	CLUTCH	Multiple dry-plate
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Progressive sliding
CYLINDERS	Two	GEAR CHANGES	Three forward, one reverse
ARRANGED	Horizontally	DRIVE	Plain bevel and spur gear reduction
CAST	Separately	REAR AXLE	Full floating
		STEERING GEAR	Bevel pinion and sector

**PACKARD
MOTOR CAR
COMPANY**
**DETROIT
MICHIGAN**

Price, Chassis	\$4300
One to One-and-One-quarter-Ton	2200
One-and-One-half to One-and-Three-quarter-Ton	2500
Two to Two-and-One-half-Ton Three to Three-and-One-half-Ton	2800
Four to Four-and-One-half-Ton Six to Six-and-One-half-Ton	3400
	4550



PACKARD FIVE TO FIVE-AND-ONE-HALF-TON TRUCK — 5E

COLOR	Black	HORSEPOWER	40 (N. A. C. C. Rating)
CARRYING CAPACITY.	5 to 5½ tons	BORE AND STROKE	5 x 5½ inches
POSITION OF DRIVER	Left side	LUBRICATION	Full force feed
WHEELBASE	156 or 186 inches	RADIATOR	Cellular
GAUGE	Front, 69¼ inches; rear, 69½ inches	COOLING	Water pump
WHEELS	Steel disc	IGNITION.	High tension magneto and storage battery
FRONT TIRES	36 x 6 inches, single solid	GASOLINE SYSTEM	Pressure
REAR TIRES	40 x 6 inches, dual solid	CLUTCH	Dry plate
SERVICE BRAKE	Contracting on propeller shaft	TRANSMISSION	Selective sliding
EMERGENCY BRAKE.	Expanding on rear wheels	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	En bloc	STEERING GEAR	Worm and screw

REO MOTOR CAR COMPANY

**LANSING
MICHIGAN**

Price Chassis	\$1650
With Low-Stake Body	1800
With High-Stake Body	1825
With Express Body	1810
With Express Body with Full- Length Top	1960
With Express Body with Full- Length Top and Screen Sides	2035



REO TWO-TON TRUCK—J

COLOR	Lead	HORSEPOWER	27-23 (N. A. C. C. Rating)
CARRYING CAPACITY.	4000 pounds	BORE AND STROKE	4¼ x 4½ inches
POSITION OF DRIVER	Left side	LUBRICATION	Splash with cir- culating pump
WHEELBASE	146 inches	RADIATOR	Tubular
GAUGE	Front, 50 inches; rear, 63¾ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	Low-tension mag- neto and dry cells
FRONT TIRES	36 x 4 inches, single solid	LIGHTING SYSTEM.	Gas
REAR TIRES	36 x 3½ inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on jack shaft	CLUTCH	Dry multiple disc
EMERGENCY BRAKE	Contracting on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Side chains
CAST	In pairs	REAR AXLE	Dead
		STEERING GEAR	Pinion and sector

In addition to above specifications, price includes cab and horn

REO MOTOR CAR COMPANY

LANSING
MICHIGAN

Price, Chassis \$925
With Express Body with Top,
Windshield and Curtains . . 1000



REO 1500-POUND COMMERCIAL CAR — F

COLOR	Body, green; wheels, red	LUBRICATION	Splash with circulating pump
CARRYING CAPACITY.	1500 pounds	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	120 inches	IGNITION.	Storage battery
GAUGE	56 inches	STARTING SYSTEM. .	Two unit
WHEELS	Wood	STARTER OPERATED .	Chain to transmission shaft
FRONT TIRES	34 x 4½ inches, pneumatic	LIGHTING SYSTEM. .	Electric
REAR TIRES	34 x 4½ inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE . . .	Contracting on rear wheels	WIRING SYSTEM . . .	Double
EMERGENCY BRAKE .	Expanding on rear wheels	GASOLINE SYSTEM . .	Gravity
CYLINDERS	Four	CLUTCH	Dry multiple disc
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	In pairs	GEAR CHANGES . . .	Three forward, one reverse
HORSEPOWER	27.23	DRIVE	Spiral bevel
(N. A. C. C. Rating)		REAR AXLE	Full floating
BORE AND STROKE .	4¼ x 4½ inches	STEERING GEAR . . .	Pinion and sector

In addition to above specifications, price includes speedometer, ammeter, tire pump, horn and demountable rims

**PEERLESS
MOTOR CAR
COMPANY**

CLEVELAND, OHIO

Price, \$3000



PEERLESS 4000-POUND TRUCK — TC-2

COLOR	Gray	CAST	In pairs
CARRYING CAPACITY.	4000 pounds	HORSEPOWER	32.4
POSITION OF DRIVER	Right side	(N. A. C. C. Rating)	
WHEELBASE	145 inches	BORE AND STROKE	4½ x 6½ inches
GAUGE	68 inches	LUBRICATION	Splash with circulating pump
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	36 x 4 inches, single solid	COOLING	Water pump
REAR TIRES	36 x 4 inches, dual solid	IGNITION.	Magneto
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Four forward, one reverse
		DRIVE	Worm
		REAR AXLE	Three-quarters floating
		STEERING GEAR	Worm and wheel

PEERLESS MOTOR CAR COMPANY

CLEVELAND, OHIO

Price	\$4500
Three-Ton	3700
Four-Ton	4000
Six-Ton	5000



PEERLESS 10,000-POUND TRUCK—TC-5

COLOR	Lead	CAST	In pairs
CARRYING CAPACITY.	10,000 pounds	HORSEPOWER	32.4 (N. A. C. C. Rating)
POSITION OF DRIVER	Right side	BORE AND STROKE	4½ x 6½ inches
WHEELBASE	151 inches	LUBRICATION	Full splash
GAUGE	68 inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	38 x 6 inches, single solid	IGNITION.	Magneto
REAR TIRES	42 x 6 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on jackshaft	CLUTCH	Cone
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four forward, one reverse
ARRANGED	Vertically	DRIVE	Chain
		STEERING GEAR	Worm and wheel

STUDEBAKER CORPORATION

DETROIT
MICHIGAN

Price, Chassis	\$1200
With Express Body	1300
With Stake Body	1350
Sixteen-Passenger Bus	1500



STUDEBAKER ONE-TON TRUCK

COLOR	Body, blue; running gear, black	LUBRICATION	Circulating splash with gear pump
CARRYING CAPACITY	2000 pounds	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	125 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Chain to crank shaft
FRONT TIRES	35 x 5 inches, pneumatic	LIGHTING SYSTEM	Electric
REAR TIRES	35 x 5 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward and reverse
HORSEPOWER	24.03 (N. A. C. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE	3 1/4 x 5 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear, irreversible

In addition to above specifications, price includes top, top hood, speedometer, ammeter, electric horn and demountable rims

STUDEBAKER CORPORATION

DETROIT
MICHIGAN

Price, Chassis	\$850
With Panel Body	925
With Express Body	900
With Passenger and Express Body Combined	925
With Mail Wagon Body	1175



STUDEBAKER 1000-POUND COMMERCIAL CAR

COLOR	Body, dark blue; running gear, black	LUBRICATION	Circulating splash with gear pump
CARRYING CAPACITY	1000 pounds	RADIATOR	Tubular
POSITION OF DRIVER	Left side	COOLING	Water pump
WHEELBASE	112 inches	IGNITION	Storage battery
GAUGE	56 inches	STARTING SYSTEM	Two unit
WHEELS	Wood	STARTER OPERATED	Chain to crank shaft
FRONT TIRES	34 x 4 inches, pneumatic	LIGHTING SYSTEM	Electric
REAR TIRES	34 x 4 inches, anti-skid	VOLTAGES	Six
SERVICE BRAKE	Contracting on rear wheels	WIRING SYSTEM	Single
EMERGENCY BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
CYLINDERS	Four	CLUTCH	Cone
ARRANGED	Vertically	TRANSMISSION	Selective sliding
CAST	En bloc	GEAR CHANGES	Three forward and reverse
HORSEPOWER	24.03 (N. A. A. C. Rating)	DRIVE	Plain bevel
BORE AND STROKE	3 3/4 x 5 inches	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear, irreversible

In addition to above specifications, price includes windshield,
speedometer, ammeter, electric horn and demountable rims

KISSEL MOTOR CAR COMPANY

HARTFORD
WISCONSIN

Price, Chassis \$1250
With Stake Body 1400
With Express Body 1400



KISSEL KAR ONE-TON TRUCK

COLOR	Lead	CAST	En bloc
CARRYING CAPACITY.	2000 pounds	HORSEPOWER	24.03
POSITION OF DRIVER	Left side	(N. A. C. C. Rating)	
WHEELBASE	132 inches	BORE AND STROKE	3¼ x 5½ inches
GAUGE	56 inches, front and rear	LUBRICATION	Splash with cir- culating pump
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	35 x 4¼ inches, pneumatic; or 34 x 3 inches, solid	COOLING	Water pump
REAR TIRES	35 x 4¼ inches, pneumatic, anti- skid; or 34 x 4 inches, solid	IGNITION	High-tension magneto
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three
		DRIVE	Worm
		REAR AXLE	Semi-floating
		STEERING GEAR	Split nut and worm

KISSEL MOTOR CAR COMPANY

HARTFORD
WISCONSIN

Price, Chassis \$1875
With Stake Body 2025
With Express Body 2025



KISSEL KAR TWO-TON TRUCK

COLOR	Lead	HORSEPOWER	28.9
CARRYING CAPACITY.	4000 pounds	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left side	BORE AND STROKE	4¼ x 5½ inches
WHEELBASE	144 inches	LUBRICATION	Splash with circulating pump
GAUGE	Front, 57 inches; rear, 57¼ inches	RADIATOR	Tubular
WHEELS	Wood	COOLING	Water pump
FRONT TIRES	34 x 3½ inches, single solid	IGNITION.	High-tension magneto
REAR TIRES	36 x 6 inches, single solid	GASOLINE SYSTEM	Vacuum
SERVICE BRAKE	Expanding on rear wheels	CLUTCH	Dry plate
EMERGENCY BRAKE.	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four
ARRANGED	Vertically	DRIVE	Worm
CAST	En bloc	REAR AXLE	Full floating
		STEERING GEAR	Split nut and worm

**DENBY MOTOR
T R U C K
C O M P A N Y**
DETROIT
MICHIGAN

Price with Open Express Body . \$1120
With Covered Express Body . 1190
With Full Panel Body 1225



DENBY ONE-TON TRUCK—R

COLOR	Body optional; running gear, pig- skin brown and Brewster green	CAST	En bloc
CARRYING CAPACITY.	One ton	HORSEPOWER	15.63
POSITION OF DRIVER	Left side	(N. A. C. C. Rating)	
WHEELBASE	119 inches	BORE AND STROKE . .	3¼ x 4¼ inches
GAUGE	56 inches	LUBRICATION	Splash with cir- culating pump
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	34 x 3 inches, solid or pneumatic	COOLING	Thermo-syphon
REAR TIRES	34 x 4 inches, solid or pneumatic	IGNITION.	High-tension mag- neto
SERVICE BRAKE . . .	Contracting on rear wheels	GASOLINE SYSTEM . .	Gravity
EMERGENCY BRAKE .	Expanding on rear wheels	CLUTCH	Dry multiple disc
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES . . .	Three forward, one reverse
		DRIVE	Internal gear
		REAR AXLE	Dead
		STEERING GEAR . . .	Screw and nut

DENBY MOTOR T R U C K C O M P A N Y

D E T R O I T
M I C H I G A N

Price, Chassis \$1790
With Open Express Body 1910
With Stake Body 1926



DENBY TWO-TON TRUCK—H

COLOR	Lead	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	Two tons	BORE AND STROKE	3¼ x 5 inches
POSITION OF DRIVER	Left side	LUBRICATION	Splash with circulating pump
WHEELBASE	144 inches	RADIATOR	Tubular
GAUGE	Front, 57 inches; rear, 62 inches	COOLING	Thermo-syphon
WHEELS	Wood	IGNITION	High tension magneto
FRONT TIRES	36 x 3½ inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	36 x 3½ inches, dual solid	CLUTCH	Dry multiple disc
SERVICE BRAKE	Contracting on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Three forward, one reverse
CYLINDERS	Four	DRIVE	Internal gear
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and wheel

FEDERAL MOTOR TRUCK COMPANY

DETROIT
MICHIGAN

Price, Chassis	\$1500
With Panel Body	} Upon Appli- cation
With Express Body	
With Stake Body	
One-and-One-Half Ton	
Two-Ton	}
Three-and-One-Half Ton	



F-E-D-E-R-A-L ONE-TON TRUCK—S

COLOR	Lead	CAST	En bloc
CARRYING CAPACITY.	2000 pounds	HORSEPOWER	19.6
POSITION OF DRIVER	Left side	(N. A. C. C. Rating)	
WHEELBASE	132 inches	BORE AND STROKE	3¼ x 5¼ inches
GAUGE	Front, 56 inches; rear, 58 inches	LUBRICATION	Full force feed
WHEELS	Wood	RADIATOR	Tubular
FRONT TIRES	34 x 3 inches solid, or 35 x 5 inches pneumatic	COOLING	Water pump
REAR TIRES	34 x 4 inches solid, or 35 x 5 inches pneumatic	IGNITION.	High-tension magneto
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Single dry plate
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward, one reverse
		DRIVE	Worm
		REAR AXLE	Full floating
		STEERING GEAR	Worm and worm gear

FEDERAL
MOTOR TRUCK
COMPANY
DETROIT
MICHIGAN

Chassis } Prices Upon
With Steel Dump Stake Body } Application



F-E-D-E-R-A-L FIVE-TON TRUCK—X

COLOR	Lead	HORSEPOWER	28.9 (N. A. C. C. Rating)
CARRYING CAPACITY.	10,000 pounds	BORE AND STROKE	4¼ x 5½ inches
POSITION OF DRIVER	Left side	LUBRICATION	Full force feed
WHEELBASE	144 to 180 inches	RADIATOR	Cellular
GAUGE	Front, 69¼ inches; rear, 70½ inches	COOLING	Water pump
WHEELS	Steel	IGNITION.	High-tension magneto
FRONT TIRES	36 x 6 inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	40 x 6 inches, dual solid	CLUTCH	Single dry plate
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	En bloc	STEERING GEAR	Worm and worm gear

**THE WHITE
MOTOR
COMPANY**
CLEVELAND, OHIO

Price, Chassis \$2100
With Standard Body 2250



WHITE THREE-QUARTER-TON TRUCK—GBBE

COLOR	Chassis, red; body, dark green	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	1500 pounds	BORE AND STROKE	3¼ x 5¼ inches
POSITION OF DRIVER	Left side	LUBRICATION	Force feed and splash
WHEELBASE	133¼ inches	RADIATOR	Cellular
GAUGE	56 inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	34 x 4½ inches, pneumatic	LIGHTING SYSTEM.	Gas
REAR TIRES	34 x 4½ inches, pneumatic	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on rear wheels	CLUTCH	Single plate in oil
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four
ARRANGED	Vertically	DRIVE	Plain bevel
CAST	En bloc	REAR AXLE	Semi-floating
		STEERING GEAR	Worm and sector

In addition to above specifications, price includes
tire pump, prestolite tank and demountable rims

THE WHITE MOTOR COMPANY

CLEVELAND, OHIO

Price, Chassis \$3000
With Standard Body 3150



WHITE ONE-AND-ONE-HALF TO TWO-TON TRUCK—TBC

COLOR	Red	BORE AND STROKE	3¼ x 5½ inches
CARRYING CAPACITY.	3000 to 4000 pounds	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Cellular
WHEELBASE	145½ inches	COOLING	Water pump
GAUGE	56 inches	IGNITION.	High-tension magneto
WHEELS	Wood	GASOLINE SYSTEM	Gravity
FRONT TIRES	36 x 3½ inches, single pneumatic	CLUTCH	Single plate in oil
REAR TIRES	36 x 3½ inches, dual pneumatic	TRANSMISSION	Selective sliding
SERVICE BRAKE	Contracting on rear wheels	GEAR CHANGES	Four
EMERGENCY BRAKE	Expanding on rear wheels	DRIVE	Double reduction plain bevel
CYLINDERS	Four	REAR AXLE	Semi-floating
ARRANGED	Vertically	STEERING GEAR	Worm and sector
CAST	En bloc		
HORSEPOWER	22.5		
(N. A. C. C. Rating)			

In addition to above specifications, price includes tire pump, horn and demountable rims

THE WHITE MOTOR COMPANY

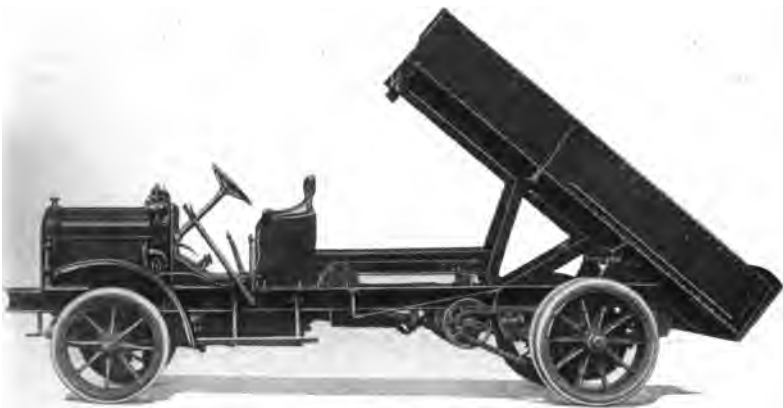
CLEVELAND, OHIO

Price, Chassis \$3700
With Standard Body . . . 3850



WHITE THREE-TON TRUCK—TAD

COLOR	Red	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	Three tons	BORE AND STROKE . . .	3¼ x 5¼ inches
POSITION OF DRIVER	Left side	LUBRICATION	Force feed and splash
WHEELBASE	163 inches	RADIATOR	Cellular
GAUGE	Front, 64 inches	COOLING	Water pump
WHEELS	Cast steel	IGNITION.	High-tension magneto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM . .	Gravity
REAR TIRES	40 x 5 inches, dual solid	CLUTCH	Single plate in oil
SERVICE BRAKE . . .	Contracting on jackshaft	TRANSMISSION	Selective sliding
EMERGENCY BRAKE .	Expanding on rear wheels	GEAR CHANGES . . .	Four
CYLINDERS	Four	DRIVE	Double side chain
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and sector



WHITE FIVE-TON POWER-DUMPING TRUCK—ATCD

COLOR	Red	HORSEPOWER	28.9
CARRYING CAPACITY.	Five tons	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left side	BORE AND STROKE	4¼ x 6¾ inches
WHEELBASE	149 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 64 inches	RADIATOR	Cellular
WHEELS	Cast steel	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION.	High-tension magneto
REAR TIRES	40 x 6 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Contracting on jackshaft	CLUTCH	Single plate in oil
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four
ARRANGED	Vertically	DRIVE	Double side chain
CAST	En bloc	REAR AXLE	Dead
		STEERING GEAR	Worm and sector



SELDEN TWO-TON TRUCK—JC

COLOR	Optional	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	Two tons	BORE AND STROKE . . .	3¼ x 5¼ inches
POSITION OF DRIVER	Right side	LUBRICATION	Splash with circulating pump
WHEELBASE	150 inches	RADIATOR	Tubular
GAUGE	Front, 56 inches; rear, 60¼ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 4 inches, single solid	GASOLINE SYSTEM . . .	Gravity
REAR TIRES	36 x 4 inches, single solid	CLUTCH	Dry multiple disc
SERVICE BRAKE . . .	Contracting on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE .	Contracting on rear wheels	GEAR CHANGES	Three forward, one reverse
CYLINDERS	Four	DRIVE	Internal gear
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and nut

**SELDEN MOTOR
VEHICLE
COMPANY**
**ROCHESTER
NEW YORK**

Price, Chassis . . . \$2950
One-Ton 1700
Two-Ton 2250



SELDEN THREE-AND-ONE-HALF-TON TRUCK — N

COLOR	Optional	HORSEPOWER	32.4 (N. A. C. C. Rating)
CARRYING CAPACITY.	Three and one-half tons	BORE AND STROKE . . .	4½ x 5½ inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed and splash
WHEELBASE	164 inches	RADIATOR	Tubular
GAUGE	Front, 61 inches; rear, 66¾ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM . . .	Gravity
REAR TIRES	36 x 5 inches, dual solid	CLUTCH	Dry multiple disc
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE . . .	Expanding on rear wheels	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	In pairs	STEERING GEAR	Worm and nut

VIM MOTOR T R U C K C O M P A N Y

PHILADELPHIA
PENNSYLVANIA

Price, Chassis	\$645
With Open Express Body	695
With Fore-Door Panel Body	755
With Closed Panel Body	725
With Enclosed Cab Panel Body	795
With Panels with Wire Door and Tail Gate	735
With Express with Cab Top Body	695
With Passenger Bus Body	975
With Undertaker's Body	875
With U. S. Mail Body	785
With Salesman's Express Body	775
With Taxicab Body	1365
With Fire Apparatus	1385



VIM ONE-THOUSAND-POUND DELIVERY—20

COLOR	Body, blue; wheels, red; trim, black	BORE AND STROKE	3 x 4½ inches
CARRYING CAPACITY	1000 pounds	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Tubular
WHEELBASE	102 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	High-tension magneto
WHEELS	Wood	GASOLINE SYSTEM	Gravity
FRONT TIRES	31 x 4 inches	CLUTCH	Cone
REAR TIRES	31 x 4 inches	TRANSMISSION	Selective sliding
SERVICE BRAKE	Contracting on rear wheels	GEAR CHANGES	Three forward, one reverse
EMERGENCY BRAKE	Expanding on rear wheels	DRIVE	Plain bevel
CYLINDERS	Four	REAR AXLE	Three-quarters floating
ARRANGED	Vertically	STEERING GEAR	Worm and sector
CAST	En bloc		
HORSEPOWER	14.4		
(N. A. C. C. Rating)			

In addition to above specifications, price includes
top, hood, windshield, tire pump and demountable rims

**DART
MOTOR TRUCK
COMPANY**
**WATERLOO
IOWA**

Price, Chassis.....\$1200



DART 1000-POUND COMMERCIAL CAR—MODEL "BB"

COLOR	Lead	HORSEPOWER	19.6
CARRYING CAPACITY	1,000 pounds		(N. A. C. C. Rating)
POSITION OF DRIVER	Left side	BORE AND STROKE	3½ x 5½ inches
WHEELBASE	124 inches	LUBRICATION	Pressure and splash
GAUGE	56 inches	RADIATOR	Honeycomb
WHEELS	Wood	COOLING	Thermo-syphon
FRONT TIRES	34 x 3 inches, solid	IGNITION	High tension
REAR TIRES	34 x 3½ inches, solid	LIGHTING SYSTEM	Oil
SERVICE BRAKE	Expanding on rear wheels	GASOLINE SYSTEM	Vacuum
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Disc
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward and reverse
CAST	En bloc	DRIVE	Worm
		REAR AXLE	Full floating
		STEERING GEAR	Worm and nut

DART MOTOR TRUCK COMPANY

WATERLOO
I O W A

Price, Chassis.....\$2470



DART ONE-TON TRUCK—MODEL "E"

COLOR	Lead	BORE AND STROKE	4 3/4 x 5 1/8 inches
CARRYING CAPACITY	2,000 pounds	LUBRICATION	Pressure and splash
POSITION OF DRIVER	Left side	RADIATOR	Honeycomb
WHEELBASE	130 inches	COOLING	Thermo-syphon
GAUGE	58 inches	IGNITION	High tension mag- neto
WHEELS	Wood	LIGHTING SYSTEM	Oil
FRONT TIRES	34 x 3 1/2 inches, solid	GASOLINE SYSTEM	Vacuum
REAR TIRES	34 x 5 inches, solid	CLUTCH	Disc
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Three forward and reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	En bloc	STEERING GEAR	Worm and nut
HORSEPOWER	36.1 (N. A. C. C. Rating)		



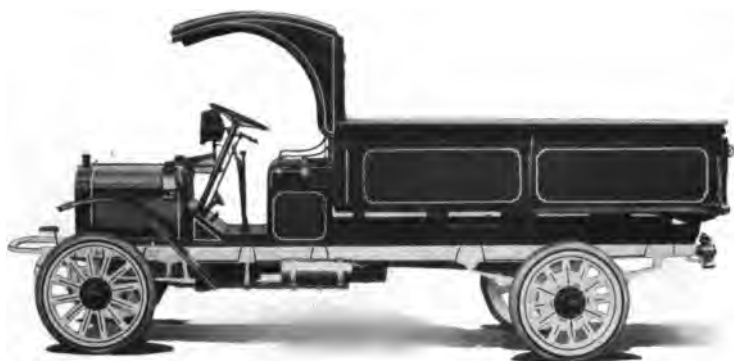
JEFFERY ONE AND ONE-HALF-TON ALL-PURPOSE TRUCK

COLOR	Chassis, lead	HORSEPOWER	22.5
CARRYING CAPACITY	3,000 pounds		(N. A. C. C. Rating)
POSITION OF DRIVER	Left	BORE AND STROKE	3 $\frac{3}{4}$ x 5 $\frac{1}{4}$ inches
WHEELBASE	130 inches (142 inches optional at an additional charge)	LUBRICATION	Forced feed and splash
		RADIATOR	Gilled
GAUGE	Front, 56 inches	COOLING	Water pump
	Rear, 59 $\frac{1}{2}$ inches	IGNITION	High tension magneto
WHEELS	Wood	LIGHTING	Electric lighting and starting
FRONT TIRES	34 x 4 $\frac{1}{2}$ inches pneumatic	GASOLINE SYSTEM	Gravity feed
REAR TIRES	34 x 5 inches, solid	CLUTCH	Dry plate
SERVICE BRAKE	Foot pedal acting on rear wheels	TRANSMISSION	Sliding gear—selective
EMERGENCY BRAKE	Lever acting on drive shaft	GEAR CHANGES	Three forward and one reverse
CYLINDERS	Four	DRIVE	Internal gear
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and screw

**DART
MOTOR TRUCK
COMPANY**

**WATERLOO
I O W A**

Price, Chassis.....\$2470



DART ONE-TON TRUCK—MODEL "E"

COLOR	Lead	BORE AND STROKE	4 ¼ x 5 ½ inches
CARRYING CAPACITY	2,000 pounds	LUBRICATION	Pressure and splash
POSITION OF DRIVER	Left side	RADIATOR	Honeycomb
WHEELBASE	130 inches	COOLING	Thermo-syphon
GAUGE	58 inches	IGNITION	High tension mag- neto
WHEELS	Wood	LIGHTING SYSTEM	Oil
FRONT TIRES	34 x 3 ½ inches, solid	GASOLINE SYSTEM	Vacuum
REAR TIRES	34 x 5 inches, solid	CLUTCH	Disc
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Three forward and reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	En bloc	STEERING GEAR	Worm and nut
HORSEPOWER	36.1 (N. A. C. C. Rating)		

THE NASH MOTORS COMPANY

KENOSHA
WISCONSIN

Price, Chassis.....\$1465
With Stake Body and Cab.....\$1615

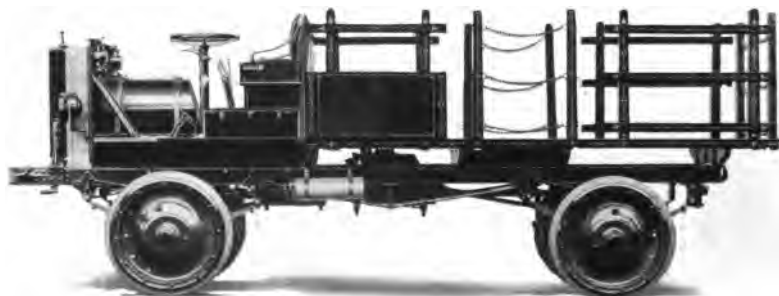


JEFFERY ONE AND ONE-HALF-TON ALL-PURPOSE TRUCK

COLOR	Chassis, lead	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY	3,000 pounds	BORE AND STROKE	3 3/4 x 5 1/4 inches
POSITION OF DRIVER	Left	LUBRICATION	Forced feed and splash
WHEELBASE	130 inches (142 inches optional at an additional charge)	RADIATOR	Gilled
GAUGE	Front, 56 inches Rear, 59 1/2 inches	COOLING	Water pump
WHEELS	Wood	IGNITION	High tension magneto
FRONT TIRES	34 x 4 1/2 inches pneumatic	LIGHTING	Electric lighting and starting
REAR TIRES	34 x 5 inches, solid	GASOLINE SYSTEM	Gravity feed
SERVICE BRAKE	Foot pedal acting on rear wheels	CLUTCH	Dry plate
EMERGENCY BRAKE	Lever acting on drive shaft	TRANSMISSION	Sliding gear—selective
CYLINDERS	Four	GEAR CHANGES	Three forward and one reverse
ARRANGED	Vertically	DRIVE	Internal gear
CAST	En bloc	REAR AXLE	Dead
		STEERING GEAR	Worm and screw

**THE NASH
MOTORS
COMPANY**
**KENOSHA
WISCONSIN**

Price, Chassis.....\$2850
With Stake Body.....\$3000



JEFFERY TWO-TON QUAD

COLOR	Chassis, lead	BORE AND STROKE	4¼ x 5½ inches
CARRYING CAPACITY	4,000 pounds	LUBRICATION	Force feed and splash
POSITION OF DRIVER	Left side	RADIATOR	Honeycomb
WHEELBASE	124 inches (142 ins. optional at an additional charge)	COOLING	Water pump
GAUGE	56 inches	IGNITION	High tension magneto
WHEELS	Steel	LIGHTING SYSTEM	Gas (Electric lights and starter, \$125 additional)
FRONT TIRES	36 x 5 inches, solid	GASOLINE SYSTEM	Gravity feed
REAR TIRES	36 x 5 inches, solid	CLUTCH	Dry plate
SERVICE BRAKE	Foot pedal operating on all four wheels	TRANSMISSION	Individual clutch
EMERGENCY BRAKE	Lever, operates on all four wheels and on drive shaft	GEAR CHANGES	Four forward and one reverse
CYLINDERS	Four	DRIVE	On all four wheels by internal gears
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and split nut
HORSEPOWER	28.9 (N. A. C. C. Rating)		

**CADILLAC
AUTO TRUCK
COMPANY**

**CADILLAC
MICHIGAN**

Price, Chassis.....\$2100
One-ton Model "B".....\$1500
Three and One-half Ton Model
"C".....\$2900



ACME TWO-TON TRUCK—MODEL "A"

COLOR	Optional	BORE AND STROKE	4 1/4 x 5 1/4 inches
CARRYING CAPACITY	4,000 pounds	LUBRICATION	Combination force feed and constant level splash system
POSITION OF DRIVER	Left side	RADIATOR	Vertical fin and tube
WHEELBASE	148 inches	COOLING	Centrifugal pump
GAUGE	58 1/2 inches	IGNITION	High tension magneto
WHEELS	Wood	LIGHTING SYSTEM	Oil
FRONT TIRES	36 x 4 inches, single solid	WIRING SYSTEM	Single
REAR TIRES	36 x 6 inches, single solid	GASOLINE SYSTEM	Stewart vacuum
SERVICE BRAKE	Internal expanding on rear wheels	CLUTCH	Dry multiple disc
EMERGENCY BRAKE	Internal expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Three forward
ARRANGED	Vertically	DRIVE	Worm
CAST	En bloc	REAR AXLE	Full floating
HORSEPOWER	27.23 (N. A. C. C. Rating)	STEERING GEAR	Worm and gear

In addition to above specifications price includes driver's seat and cushions, lamps, horn, jack, and tool equipment.

THE WHITE MOTOR COMPANY

CLEVELAND, OHIO

Price, Chassis \$3700
With Standard Body . . . 3850



WHITE THREE-TON TRUCK—TAD

COLOR	Red	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	Three tons	BORE AND STROKE . . .	3¼ x 5¼ inches
POSITION OF DRIVER	Left side	LUBRICATION	Force feed and splash
WHEELBASE	163 inches	RADIATOR	Cellular
GAUGE	Front, 64 inches	COOLING	Water pump
WHEELS	Cast steel	IGNITION.	High-tension magneto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM . .	Gravity
REAR TIRES	40 x 5 inches, dual solid	CLUTCH	Single plate in oil
SERVICE BRAKE . . .	Contracting on jackshaft	TRANSMISSION	Selective sliding
EMERGENCY BRAKE .	Expanding on rear wheels	GEAR CHANGES . . .	Four
CYLINDERS	Four	DRIVE	Double side chain
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR . . .	Worm and sector



WHITE FIVE-TON POWER-DUMPING TRUCK—ATCD

COLOR	Red	HORSEPOWER	28.9
CARRYING CAPACITY.	Five tons	(N. A. C. C. Rating)	
POSITION OF DRIVER	Left side	BORE AND STROKE . . .	4¼ x 6¾ inches
WHEELBASE	149 inches	LUBRICATION	Force feed and splash
GAUGE	Front, 64 inches	RADIATOR	Cellular
WHEELS	Cast steel	COOLING	Water pump
FRONT TIRES	36 x 5 inches, single solid	IGNITION.	High-tension magneto
REAR TIRES	40 x 6 inches, dual solid	GASOLINE SYSTEM . . .	Gravity
SERVICE BRAKE . . .	Contracting on jackshaft	CLUTCH	Single plate in oil
EMERGENCY BRAKE .	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four
ARRANGED	Vertically	DRIVE	Double side chain
CAST	En bloc	REAR AXLE	Dead
		STEERING GEAR	Worm and sector



SELDEN TWO-TON TRUCK — JC

COLOR	Optional	HORSEPOWER	22.5 (N. A. C. C. Rating)
CARRYING CAPACITY.	Two tons	BORE AND STROKE . . .	3¼ x 5¼ inches
POSITION OF DRIVER	Right side	LUBRICATION	Splash with circulating pump
WHEELBASE	150 inches	RADIATOR	Tubular
GAUGE	Front, 56 inches; rear, 60¼ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension magneto
FRONT TIRES	36 x 4 inches, single solid	GASOLINE SYSTEM . . .	Gravity
REAR TIRES	36 x 4 inches, single solid	CLUTCH	Dry multiple disc
SERVICE BRAKE . . .	Contracting on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE .	Contracting on rear wheels	GEAR CHANGES	Three forward, one reverse
CYLINDERS	Four	DRIVE	Internal gear
ARRANGED	Vertically	REAR AXLE	Dead
CAST	En bloc	STEERING GEAR	Worm and nut

SELDEN MOTOR VEHICLE COMPANY

ROCHESTER
NEW YORK

Price, Chassis . . . \$2950
One-Ton . . . 1700
Two-Ton . . . 2250



SELDEN THREE-AND-ONE-HALF-TON TRUCK — N

COLOR	Optional	HORSEPOWER	32.4 (N. A. C. C. Rating)
CARRYING CAPACITY.	Three and one-half tons	BORE AND STROKE	4½ x 5½ inches
POSITION OF DRIVER	Right side	LUBRICATION	Force feed and splash
WHEELBASE	164 inches	RADIATOR	Tubular
GAUGE	Front, 61 inches; rear, 66¾ inches	COOLING	Water pump
WHEELS	Wood	IGNITION.	High-tension mag- neto
FRONT TIRES	36 x 5 inches, single solid	GASOLINE SYSTEM	Gravity
REAR TIRES	36 x 5 inches, dual solid	CLUTCH	Dry multiple disc
SERVICE BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
EMERGENCY BRAKE	Expanding on rear wheels	GEAR CHANGES	Four forward, one reverse
CYLINDERS	Four	DRIVE	Worm
ARRANGED	Vertically	REAR AXLE	Full floating
CAST	In pairs	STEERING GEAR	Worm and nut



"100% WATSON" TRACTOR

COLOR	Lead	CAST	In pairs
CARRYING CAPACITY	Five tons	HORSEPOWER	32.4 (N.A.C.C. Rating)
POSITION OF DRIVER	Right side	BORE AND STROKE	4½ x 5½ inches
WHEELBASE	80 inches	LUBRICATION	Positive plunger pump system with constant level
GAUGE	Front 61 inches; rear, 64¾ inches	RADIATOR	Honeycomb
WHEELS	Wood	COOLING	Water Pump
FRONT TIRES	34 x 4 inches, single solid	IGNITION	High-tension mag- neto
REAR TIRES	36 x 5 inches, dual solid	GASOLINE SYSTEM	Gravity
SERVICE BRAKE	Expanding on rear wheels	CLUTCH	Dry multiple disc
EMERGENCY BRAKE	Expanding on rear wheels	TRANSMISSION	Selective sliding
CYLINDERS	Four	GEAR CHANGES	Four forward, one reverse
ARRANGED	Vertically	REAR AXLE	Full floating
		STEERING GEAR	Worm and gear

In addition to above specifications price includes oil dash lamps and tail lamps, horn, complete set of tools, jack, cab and complete set of curtains.

THE WILLEYS- OVERLAND COMPANY

TOLEDO, OHIO

Price, Panel Delivery...\$700
Express Delivery\$635
F.o.b. Toledo



OVERLAND EIGHT-HUNDRED-POUND DELIVERY

COLOR	Brewster Green body, ivory striping; fenders and trimmings black	BORE AND STROKE . . .	3¼ x 5 inches
CARRYING CAPACITY .	800 pounds, one passenger	LUBRICATION	Force feed and splash
POSITION OF DRIVER .	Left side	RADIATOR	Cellular
WHEELBASE	104 inches	COOLING	Thermo-syphon
GAUGE	56 inches	IGNITION	Battery and distributor system
WHEELS	Wood	STARTING SYSTEM . . .	Two unit
FRONT TIRES	31 x 4 inches, pneumatic	STARTER OPERATED . .	Gear to fly-wheel
REAR TIRES	31 x 4 inches, non-skid, pneumatic	LIGHTING SYSTEM . . .	Electric
SERVICE BRAKES . . .	Contracting on rear wheels	VOLTAGE	Six
EMERGENCY BRAKE . .	Expanding on rear wheels	WIRING SYSTEM	Single
CYLINDERS	Four	GASOLINE SYSTEM . . .	Vacuum
ARRANGED	Vertically	CLUTCH	Cone
CAST	En bloc	TRANSMISSION	Selective sliding
HORSEPOWER	18.25 (N. A. C. C. Rating)	GEAR CHANGES	Three forward, one reverse
		DRIVE	Bevel gear
		REAR AXLE	Three-quarter floating
		STEERING GEAR	Worm and full gear

In addition to above specifications price includes windshield, ammeter, speedometer, storm curtains, tire carrier, oil indicator, and demountable rims.

THE WILLYS- OVERLAND COMPANY

TOLEDO, OHIO

Price, Complete \$850
Chassis \$800



OVERLAND TWELVE-HUNDRED-POUND DELIVERY

COLOR	Brewster Green	LUBRICATION	Force feed and splash
	Body, ivory striping; fenders and trimmings black	RADIATOR	Cellular
CARRYING CAPACITY	1200 pounds, 2 passengers	COOLING	Thermo-syphon
POSITION OF DRIVER	Left side	IGNITION	High tension magneto
WHEELBASE	106 inches	STARTING SYSTEM	Two unit
GAUGE	56 inches	STARTER	Operated Gear to fly wheel
WHEELS	Wood	LIGHTING SYSTEM	Electric
FRONT TIRES	33 x 4½ pneumatic	VOLTAGES	Six
REAR TIRES	33 x 4½, non-skid, pneumatic	WIRING SYSTEM	Single
SERVICE BRAKE	Contracting on rear wheels	GASOLINE SUPPLY	Vacuum
EMERGENCY BRAKE	Expanding on rear wheels	CLUTCH	Cone
CYLINDERS	Four	TRANSMISSION	Selective sliding
ARRANGED	Vertically	GEAR CHANGES	Three forward, one reverse
CAST	En bloc	DRIVE	Bevel gear
HORSEPOWER	27.19 (N. A. C. C. Rating)	REAR AXLE	Three-quarters floating
BORE AND STROKE	4½ x 4½ inches	STEERING GEAR	Worm and full gear
		BODY	Indestructible pressed steel, removable top

In addition to above specifications price includes windshield, ammeter, speedometer, storm curtains, tire carrier, oil indicator and demountable rims.



MODEL 10 DENMO TRUCK

CARRYING CAPACITY	2500 pounds	BORE AND STROKE	3 $\frac{3}{4}$ x5 inches
POSITION OF DRIVER	Left side	LUBRICATION	Force feed
WHEELBASE	124 inches	RADIATOR	Cellular
GAUGE	56 inches	COOLING	Thermo-syphon
WHEELS	Wood	IGNITION	High tension mag- neto
FRONT TIRES	34x4 $\frac{1}{2}$ pneumatic or 34x3 $\frac{1}{2}$ solid	STARTING SYSTEM	Two unit
REAR TIRES	34x4 solid	LIGHTING SYSTEM	Electric
SERVICE BRAKE	External contract- ing	GASOLINE SYSTEM	Gravity
EMERGENCY BRAKE	Internal expanding	CLUTCH	Single dry plate disc
CYLINDERS	Four	TRANSMISSION	Selective sliding
CAST	En block	GEAR CHANGES	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Shaft
HORSEPOWER	22.50 (N. A. C. C. Rating)	REAR AXLE	Internal gear driven
		STEERING GEAR	Worm and nut

In addition to above specifications price includes starting and lighting systems, wind-
shield, spotlight, driver's seat, bumper, tool kit, speedometer, front and tail lights,
license bracket rain vision windshield, spare rim, tire pump and motometer.

REPUBLIC MOTOR TRUCK COMPANY, Inc.

**A L M A
M I C H I G A N**

Price, With express body	\$750
With panel body	\$775
One-ton complete with express or stake body ..	\$1095
One and one-half-ton chassis only	\$1275
Two-ton chassis only	\$1675
Three and one-half-ton chassis only	\$2550



MODEL 9 DISPATCH

COLOR	Brewster green; yellow wheels	HORSEPOWER	16.9 (N. A. C. C. rating)
CARRYING CAPACITY .	1500 lbs.	BORE AND STROKE . .	3¼ x 5 inches
POSITION OF DRIVER .	Left side	LUBRICATION	Force by pump and splash
WHEELBASE	110 inches	RADIATOR	Round tube verti- cal
GAUGE	56 inches	COOLING	Thermo-syphon
WHEELS	Wood	IGNITION	High-tension mag- neto and storage battery
FRONT TIRES	34 x 3 inches (solid) or 32 x 4 inches pneumatic	LIGHTING SYSTEM . .	Electric
REAR TIRES	34x3½inches(solid) or 32 x 4 pneumatic non-skid	GASOLINE SYSTEM . .	Gravity
SERVICE BRAKE . . .	Contracting on transmission	CLUTCH	Dry multiple disc
EMERGENCY BRAKE .	Internal expanding	TRANSMISSION . . .	Selective sliding
CYLINDERS	Four	GEAR CHANGES . .	Three forward, one reverse
ARRANGED	Vertically	DRIVE	Internal gear
CAST	En bloc	REAR AXLE	Dead
		STEERING GEAR . . .	Worm and nut

RACE RECORDS OF THE 1916 SEASON

CONEY ISLAND CUP RACE, 20 MILES, NEW YORK, MAY 13

Number of Starters, 13. Number to Finish, 5. Purse, \$1,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	11:15.81	106.71	\$600.00
Sunbeam, Christiaens....	2	11:26.52	104.54	350.00
Delage, Limberg.....	3	11:27.53	104.32	250.00
Maxwell, Rickenbacher..	4	11:27.63	104.32	200.00
Maxwell, Henderson.....	5	11:54.91	100.35	100.00

Also started—Peugeot, Mulford; Crawford, Chandler; Delage, Devigne; Peusun, Franchi; Crawford, Lewis; Hudson, Vail; Adams Special, Adams; Duesenberg, Devlin.

QUEEN'S CUP RACE, 50 MILES, NEW YORK, MAY 13

Number of Starters, 9. Number to Finish, 4. Purse, \$2,300

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Mulford.....	1	28:45.04	104.34	\$1,000.00
Duesenberg, Devlin.....	2	30:15.98	99.11	600.00
Peusun, Franchi.....	3	30:16.26	99.09	400.00
Delage, Limberg.....	4	31:35.30	98.94	300.00

Also started—Maxwell, Rickenbacher; Maxwell, Henderson; Peugeot, Aitken; Hudson, Vail; Delage, Devigne.

METROPOLITAN TROPHY RACE, 150 MILES, NEW YORK, MAY 13

Number of Starters, 10. Number to Finish, 4. Purse, \$14,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Maxwell, Rickenbacher...	1	1:33:31	96.53	\$6,000.00
Delage, Devigne.....	2	1:35:11	94.56	3,500.00
Hudson, Vail.....	3	1:38:44	90.15	2,000.00
Duesenberg, Devlin.....	4	1:43:03	87.34	1,500.00
Adams Special, Adams...	5	1:51:00	81.08	1,000.00

Also started—J. J. R. Special, Watson; Peugeot, Resta; Peusun, Franchi; Delage, Limberg; Peugeot, Mulford.

INDIANAPOLIS INTERNATIONAL SWEEPSTAKES, 300 MILES, MAY 30

Number of Starters, 21. Number to Finish, 10. Purse, \$30,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta.....	1	3:34:15.71	84.05	\$12,000.00
Duesenberg, D'Alene.....	2	3:36:15.28	83.25	6,000.00
Peugeot, Mulford.....	3	3:37:56.20	82.65	3,000.00
Sunbeam, Christiaens....	4	3:46:36.03	79.45	2,000.00
Delage, Oldfield.....	5	3:47:19.63	79.20	1,700.00
Maxwell, Henderson.....	6	3:49:56.48	78.35	1,400.00
Premier, Wilcox.....	7	3:54:31.31	76.85	1,200.00
Crawford, Johnson.....	8	4:01:54.75	74.45	1,000.00
Crawford, Chandler.....	9	4:03:10.51	74.05	900.00
Ostewig Special, Haibe...	10	4:04:47.10	73.30	800.00

Also started—Ogren, Alley; Frontenac, L. Chevrolet; Premier, Anderson; Crawford, Lewis; Peugeot, Aitken; Delage, Devigne; Premier, Rooney; Peugeot, Merz; Maxwell, Rickenbacher; Peusun, Franchi.

CHICAGO MOTOR DERBY, 300 MILES, JUNE 11

Number of Starters, 21. Number to Finish, 10. Purse, \$30,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta.....	1	3:02:31.64	98.61	\$13,000.00
Mercedes, DePalma.....	2	3:04:25.37	97.60	6,500.00
Sunbeam, Christiaens....	3	3:07:55.48	95.78	3,000.00
Duesenberg, O'Donnell...	4	3:08:30.46	95.48	1,500.00
Sunbeam, Galvin.....	5	3:10:23.45	94.54	1,300.00
Hudson, Vail.....	6	3:10:30.65	94.48	1,200.00
Duesenberg, D'Alene....	7	3:13:02.85	93.24	1,100.00
Burman Special, Gable...	8	3:15:51.31	91.90	900.00
Hudson, McCarty.....	9	3:19:10.73	90.38	800.00
Crawford, Lewis.....	10	3:24:58.07	88.63	700.00

Also started—Duesenberg, Buzane; Peugeot, Rickenbacher; Delage, Oldfield; Klein Special, Alley; Klein Special, Klein; Ogren, Henning; Crawford, Johnson; Ostewig Special, Haibe; Olsen Special, Thompson; J. J. R. Special, Watson; Duluth Special, Rawlings.

DES MOINES 150-MILE RACE, JUNE 24

Number of Starters, 9. Number to Finish, 7. Purse, \$8,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Mercedes, DePalma.....	1	1:36:36.23	92.66	\$3,000.00
Maxwell, Henderson.....	2	1:38:13.72	91.20	1,500.00
Maxwell, Rickenbacher...	3	1:39:18.72	90.40	750.00
Crawford, Lewis.....	4	1:40:00.01	90.00	600.00
Stutz, Cooper.....	5	1:40:08.96	89.90	500.00
Hudson, Mulford.....	6	1:45:27.15	86.30	450.00
Sunbeam, Galvin.....	7	1:46:44.40	85.50	400.00

Also started—Crawford, Chandler, and Duesenberg, O'Donnell.

TWIN CITY 150-MILE RACE, JULY 4

Number of Starters, 14. Number to Finish, 7. Purse, \$6,844.88
(Adv., \$15,000)

Car and driver	Order of Finish	Time	M.P.H.	Purse
Mercedes, DePalma ..	1	1:38:49.20	91.08	\$2,754.00
Peugeot, Aitken	2	1:40:14.05	89.70	1,606.00
Sunbeam, Christiaens....	3	1:43:28.75	87.00	918.13
Duesenberg, Milton.....	4	1:44:11.95	86.50	688.60
Hoskins Spec., O'Donnell.	5	1:47:37.95	83.60	459.07
Marso, Sorenson	6	1:56:14.45	77.60	275.45
Dans L'Argent, Muller...	7	2:01:18.20	74.70	143.63

Also started—Duesenberg, Buzane; Premier, Anderson; Maxwell, Rickenbacher; Maxwell, Henderson; Frontenac, L. Chevrolet; Sunbeam, Galvin; Ostewig Special, Ostewig.

SIOUX CITY 10-MILE RACE, JULY 8

Number of Starters, 10. Number to Finish, 6. Purse, \$327

Car and driver	Order of Finish	Time	M.P.H.	Purse
Duesenberg, D'Alene	1	7:31.96	79.60	\$130.80
Peugeot, Merz	2	7:41.34	78.03	81.75
Crawford, Lewis.....	3	8:00.90	74.85	49.05
Premier, Wilcox.....	4	8:10.80	73.35	32.70
Peusun, Franchi.....	5	8:16.05	72.56	22.89
Burman Special, Gable. .	6	8:17.38	72.38	9.81

Also started—Crawford, Johnson; Delage, Devigne; Crawford, Chandler; Duluth Special, Rawlings.

SIOUX CITY 20-MILE RACE, JULY 8

Number of Starters, 12. Number to Finish, 8. Purse, \$492.50

Car and driver	Order of Finish	Time	M.P.H.	Purse
Premier, Wilcox.....	1	15:18.78	78.40	\$196.20
Duesenberg, D'Alene .	2	15:59.43	75.04	98.10
Crawford, Lewis.....	3	16:00.36	74.97	73.57
Peugeot, Merz	4	16:18.43	73.58	49.05
Peusun, Franchi.....	5	16:25.25	73.09	29.43
Crawford, Chandler.....	6	16:42.41	71.82	19.62
Crawford, Johnson	7	16:44.41	71.48	14.71
Delage, Devigne.....	8	16:50.41	71.25	9.81

Also started—Duluth Special, Rawlings; Klein Special, Klein; Mercer, Stringer, and Burman Special, Gable.

SIOUX CITY 50-MILE RACE, JULY 8

Number of Starters, 15. Number to Finish, 8. Purse, \$818.95

Car and driver	Order of Finish	Time	M.P.H.	Purse
Premier, Wilcox.....	1	40:59.00	72.57	\$408.75
Crawford, Lewis.....	2	41:31.31	72.26	163.50
Crawford, Johnson.....	3	41:35.25	72.06	81.75
Duesenberg, D'Alene....	4	42:45.37	70.17	65.40
Crawford, Chandler.....	5	42:46.35	70.12	49.05
Peugeot, Merz.....	6	43:02.86	69.70	24.52
Peusun, Franchi.....	7	43:35.73	68.82	16.35
Duluth Special, Rawlings.	8	45:09.02	66.44	8.17

Also started—Hudson, Vail; Delage, Moore; Burman Special, Gable; Delage, Devigne; Klein Special, Klein; Duesenberg, Devlin; Mercer, Stringer.

OMAHA 50-MILE RACE, JULY 15

Number of Starters, 8. Number to Finish, 4. Purse, \$2,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Mercedes, DePalma.....	1	29:02.47	103.47	\$1,200.00
Maxwell, Rickenbacher...	2	30:01.65	99.89	600.00
Maxwell, Henderson.....	3	30:07.16	99.61	400.00
Crawford, Lewis.....	4	31:37.10	94.89	300.00

Also started—Mercer, Stringer; Duesenberg, Milton; Hudson, Mulford; Duluth Special, Rawlings.

OMAHA 150-MILE RACE, JULY 15

Number of Starters, 17. Number to Finish, 5. Purse, \$5,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta.....	1	1:30:43.88	99.02	\$3,000.00
Peugeot, Mulford.....	2	1:31:56.24	98.39	1,500.00
Duesenberg, Milton.....	3	1:32:32.25	97.30	600.00
Maxwell, Henderson.....	4	1:40:06.27	90.00	400.00
Mercer, Stringer.....	5	1:40:44.00	88.25	...

Also started—Maxwell, Rickenbacher; Mercedes, DePalma; Klein Special, Klein; Hudson, Vail; Duns L'Argent, Muller; Burman Special, Gable; Crawford, Johnson; Crawford, Chandler; Delage, Hughes; Peusun, Franchi; Crawford, Lewis; Duesenberg, D'Alene.

KANSAS CITY 100-MILE RACE, JULY 22

Number of Starters, 12. Number to Finish, 4. Purse, \$4,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Mercedes, DePalma	1	1:42.54	58.48	\$2,500.00
Duesenberg, O'Donnell . . .	2	1:45.06	57.02	1,000.00
Duesenberg, Buzane	3	1:49.42	52.98	600.00
Klein Special, Klein	4	1:52.56	50.29	400.00

Also started—Crawford, Johnson; Maxwell, Rickenbacher; Duesenberg, Devlin; Maxwell, Henderson; Crawford, Chandler; Crawford, Lewis; Ogren, Burt; DuChesneau, Brown.

TACOMA MONTAMARATHON, 300 MILES, AUGUST 5

Number of Starters, 14. Number to Finish, 6. Purse, \$10,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Maxwell, Rickenbacher . . .	1	3:21:40.10	89.30	\$4,000.00
Duesenberg, Milton	2	3:23:05.62	88.60	2,500.00
Crawford, Lewis	3	3:24:29.35	88.00	1,500.00
Mercedes, DePalma	4	3:27:20.41	87.00	1,000.00
Maxwell, Henderson	5	3:33:03.96	84.50	750.00
Omar Special, Toft	6	3:33:25.62	84.40	250.00

Also started—Duesenberg, D'Alene; Crawford, Johnson; Dodge, Iatta; Crawford, Chandler; Gandy Special, Price; Duesenberg, Sorenson; Delage, Oldfield; Gandy Special, Moosie.

SPEEDWAY GRAND PRIX, 50 MILES, CHICAGO, AUGUST 19

Number of Starters, 8. Number to Finish, 5. Purse, \$10,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta	1	29:52.49	100.42	\$5,000.00
Hoskins Special, Lewis . . .	2	29:56.77	100.19	2,500.00
Duesenberg, Buzane	3	30:40.37	97.82	1,250.00
Sunbeam, Galvin	4	31:27.89	95.39	750.00
Duesenberg, D'Alene	5	32:03.41	93.58	500.00

Also started—Duesenberg, Milton; Sunbeam, Christiaens; Mercedes, DePalma.

CINCINNATI DERBY, 300 MILES, SEPTEMBER 4

Number of Starters, 28. Number to Finish, 6. Purse, \$27,200
(Adv., \$30,000)

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	3:05:27.22	97.06	\$13,000.00
Duesenberg, D'Alene.....	2	3:09:56.27	95.01	6,000.00
Sunbeam, Galvin.....	3	3:17:16.86	91.25	3,000.00
Duesenberg, Buzane.....	4	3:23:19.06	88.53	1,500.00
Crawford, Klein.....	5	3:34:15.06	84.01	1,400.00
Duesenberg, Devlin.....	6	3:46:06.54	79.60	1,200.00
Klein Special, Haibe*....	7	1,100.00

*Flagged at 270 miles.

Also started—Sunbeam, Christiaens; Peugeot, Resta; Peugeot, Merz; Premier, Wilcox; Stutz, Anderson; Omar Special, Toft; Crawford, Chandler; Mercedes, DePalma; Maxwell, Rickenbacher; Maxwell, Henderson; Duluth Special, Rawlings; Delage, Franchi; Delage, Lecain; Dans L'Argent, Muller; Duesenberg, Milton; Hudson, Vail; Hoskins Special, Alley; Premier, Lewis; Peugeot, Mulford; Crawford, Moore; Frontenac, L. Chevrolet.

INDIANAPOLIS 20-MILE RACE, SEPTEMBER 9

Number of Starters, 10. Number to Finish, 4. Purse, \$1,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	12:37.35	95.08	\$400.00
Premier, Wilcox.....	2	12:37.68	95.03	300.00
Sunbeam, L. Chevrolet...	3	13:12.88	90.82	200.00
Hoskins Special, Hughes..	4	13:36.90	88.04	100.00

Also started—Premier, Lewis; Peugeot, DePalma; Deussenberg, Buzane; Ostewig Special, McNay; Maxwell, Henderson; Crawford, Klein.

INDIANAPOLIS 50-MILE RACE, SEPTEMBER 9

Number of Starters, 9. Number to Finish, 5. Purse, \$2,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	32:40.33	91.83	\$700.00
Hoskins Special, Hughes..	2	32:40.61	91.81	500.00
Sunbeam, L. Chevrolet...	3	32:41.10	91.79	400.00
Duesenberg, D'Alene.....	4	33:25.85	89.75	300.00
Premier, Lewis.....	5	34:05.46	87.99	100.00

Also started—Premier, Wilcox; Duesenberg, Buzane; Peugeot, DePalma; Duesenberg, Klein.

INDIANAPOLIS 100-MILE RACE, SEPTEMBER 9**Number of Starters, 12. Number to Finish, 7. Purse, \$9,000**

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	1:07:05	89.44	\$3,500.00
Hoskins Special, Hughes..	2	1:07:24	89.01	2,000.00
Duesenberg, D'Alene.....	3	1:07:43	88.60	1,200.00
Duesenberg, Buzane.....	4	1:08:37	87.44	1,000.00
Premier, Lewis.....	5	1:09:07	86.81	600.00
Omar Special, Toft.....	6	1:12:40	82.56	400.00
Maxwell, Henderson.....	7	1:12:43	82.51	300.00

Also started—Peugeot, DePalma; Maxwell, Rickenbacher; Ostewig Special, McNay; Premier, Wilcox; Duesenberg, Milton.

ASTOR CUP RACE, NEW YORK, 250 MILES, SEPTEMBER 30**Number of Starters, 31. Number to Finish, 10. Purse, \$25,000**

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	2:33:04	104.83	\$10,000.00
Maxwell, Rickenbacher...	2	2:24:19	103.90	5,000.00
Hudson, Vail.....	3	2:34:01	97.40	2,500.00
Delage, Lecain.....	4	2:34:42	97.00	1,600.00
Mercer, Pullen.....	5	2:37:26	95.20	1,300.00
Crawford, Klein.....	6	2:38:01	94.80	1,200.00
Delage, Devigne.....	7	2:38:31	94.60	1,000.00
Duesenberg, Mulford....	8	2:42:02	92.30	900.00
Hoskins Special, Hughes..	9	2:42:56	92.10	800.00
Duesenberg, Milton.....	10	2:45:37	90.60	700.00

Also started—Pugh Special, Meyer; Adams Special, Adams; Ogren, Burt; Ogren, Henning; Dans L'Argent, Muller; Maxwell-Henderson; Sunbeam, Christiaens; Sunbeam, L. Chevrolet; Duesenberg, Devlin; Duesenberg, Buzane; Erbes Special, Gable; Mercer, Ruckstell; Crawford, Moore; Crawford, D'Alene; Peugeot, Resta; Peugeot, Wilcox; Premier, Galvin; Premier, Lewis; Olsen Special, Watson; Olsen Special, McBride; West Duluth Special, Rawlings.

GRAND AMERICAN, CHICAGO, 250 MILES, OCTOBER 14**Number of Starters, 19. Number to Finish, 10. Purse, \$15,000**

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta.....	1	2:24:16.68	103.99	\$6,000.00
Peugeot, Aitken.....	2	2:24:32.61	103.65	3,000.00
Maxwell, Rickenbacher...	3	2:25:52.76	102.08	1,500.00
Premier, Lewis.....	4	2:32:28.93	98.37	1,000.00
Maxwell, Henderson.....	5	2:32:31.39	98.34	900.00
Premier, Galvin.....	6	2:33:20.50	97.81	800.00
Duesenberg, Devore.....	7	2:45:35.43	90.58	600.00
Ogren, Burt.....	8	2:52:05.35	86.66	500.00
Erbes Special, Gable.....	9	3:04:52.23	81.13	400.00
Hudson. Vail.....	10	3:05:37.37	80.81	300.00

Also started—Duluth Special, Rawlings; Duesenberg, Buzane; Peugeot, Wilcox; Peugeot, DePalma; Ostewig Special, Ostewig; Crawford, Klein; Crawford, D'Alene; Duesenberg, Milton; Hoskins Special, Hughes.

HARKNESS TROPHY RACE, 100 MILES, NEW YORK

Number of Starters, 21. Number to Finish, 6. Purse, \$12,800

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken.....	1	56:37.65	105.95	\$5,400.00
Premier, Galvin.....	2	56:45.35	105.71	2,500.00
Peugeot, Wilcox.....	3	57:10.53	104.90	1,500.00
Maxwell, Henderson.....	4	59:04.70	101.31	1,000.00
Duesenberg, Devore.....	5	59:05.47	101.30	600.00
Benedict Special, Benedict	6	59:23.88	100.90	400.00

Also started—Peugeot, Resta (\$1,400 in lap prizes); Hoskins Special, Hughes; Maxwell, Rickenbacher; Hudson, Vail; Premier, Lewis; Crawford, Klein; Crawford, Muller; Duesenberg, Devlin; Duesenberg, Buzane; Duesenberg, Milton; Delage, Lecain; Delage, Devigne; Adams Special, Adams; Weightman Special, Gish; Pugh Special, Meyer.

FIFTY-MILE CONSOLATION RACE, NEW YORK

Number of Starters, 11. Number to Finish, 5. Purse, \$2,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Delage, Lecain.....	1	28:49.59	104.20	\$1,000.00
Duesenberg, Milton.....	2	30:15.80	99.25	600.00
Pugh Special, Meyer.....	3	30:16.36	99.10	400.00
Duesenberg, Devlin.....	4	30:17.11	99.00	300.00
Hoskins Special, Hughes..	5	30:31.40	98.25	200.00

Also started—Crawford, Muller; Crawford, Klein; Duesenberg, Buzane; Adams Special, Adams; Hudson, Vail; Premier, Lewis.

VANDERBILT CUP RACE, 294 MILES, SANTA MONICA, CAL., NOVEMBER 16

Number of Starters, 17. Number to Finish, 4. Purse, \$7,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Resta.....	1	3:22:48	86.98	\$4,000.00
Stutz, Cooper.....	2	3:30:40	83.74	3,000.00
Duesenberg, Weightman..	3	3:42:00	79.46	1,000.00
Hudson, Roods.....	4	3:54:45	75.20	500.00

Also started—Gandy Special, Price; Cody Special, Cody; Duesenberg, Rickenbacher; Owl, Carlton; Mercer, Ruckstell; Omar, Toft; Marmon, Jackson; Duesenberg, Moosie; Mercer, Thomas; Peugeot, Aitken; Mercer, Pullen; Chowchilla, Bolden.

GRAND PRIZE RACE, 403 MILES, SANTA MONICA, CAL., NOVEMBER 18

Number of Starters, 20. Number to Finish, 4. Purse, \$7,500

Car and driver	Order of Finish	Time	M.P.H.	Purse
Peugeot, Aitken-Wilcox ..	1	4:42:47	85.59	\$4,000.00
Stutz, Cooper	2	4:48:55	83.74	2,000.00
Hudson, Patterson	3	5:09:38	78.13	1,000.00
Hudson, Roads	4	5:34:59	72.27	500.00

Also started—Peugeot, Aitken; Hercules, Agraz; Kissel, Anderson; Duesenberg, Moosie; Owl Special, Carlton; Mercer, Pullen; Hudson, Vail; Omar, Toft; Gandy, Price; Marmon, Jackson; Durant Special, Durant; Cody Special, Cody; Peugeot, Resta; Duesenberg, Rickenbacher; Duesenberg, Buzane; Mercer, Ruckstell.

ASCOT DERBY, 150 MILES, LOS ANGELES, CAL., NOVEMBER 30

Number of Starters, 12. Number to Finish, 4. Purse, \$5,000

Car and driver	Order of Finish	Time	M.P.H.	Purse
Duesenberg, Rickenbacher	1	2:13:15	67.54	\$3,000.00
Stutz, Cooper	2	2:14:29	66.92	1,250.00
Mercer, Pullen	3	2:15:30	66.65	500.00
Mercer, Ruckstell	4	Flagged		250.00

Also started—Duesenberg, Moosie; Hudson, Vail; Omar, Toft; Gandy Special, Price; Duesenberg, Buzane; Duesenberg, Weightman; Perry Special, Perry; Horsman Special, Taylor.

UNIVERSAL TROPHY RACE, 112 MILES, UNIONTOWN, PA.

Number of Starters, 7. Number to Finish, 5. Purse, \$2,700

Car and driver	Order of Finish	Time	M.P.H.	Purse
Frontenac, Chevrolet	1	1:14:12.40	90.69	\$1,000.00
Premier, Lewis	2	1:16:36.20	87.74	700.00
Mercedes, DePalma	3	1:17:56.40	86.33	500.00
Crawford, Newfard	4	1:25:00.00	79.12	300.00
Olsen, McBride	5	1:25:00.00	79.12	200.00

Also started—Hoskins, Hughes; Premier, Galvin.

PNEUMATIC AUTOMOBILE TIRES

**TABLE OF IMPORTANT SIZES AS LISTED FOR
PRACTICALLY ALL BRANDS**

28 x 3	33 x 4½
30 x 3	34 x 4½
	35 x 4½
30 x 3½	36 x 4½
31 x 3½	37 x 4½
32 x 3½	
34 x 3½	35 x 5
	36 x 5
31 x 4	37 x 5
32 x 4	
33 x 4	38 x 5½
34 x 4	
35 x 4	
36 x 4	

TABLE OF UNUSUAL SIZES

32 x 3	33 x 5
	34 x 5
28 x 3½	39 x 5
36 x 3½	43 x 5
30 x 4	34 x 5½
37 x 4	35 x 5½
38 x 4	36 x 5½
40 x 4	37 x 5½
32 x 4½	37 x 6
38 x 4½	38 x 6
40 x 4½	39 x 6
42 x 4½	

PNEUMATIC AUTOMOBILE TIRES

INFLATION TABLE

Size	Inflation	Rear Weight	Front Weight
28 x 3	60 lbs.	350 lbs.	425 lbs.
30 x 3	65 lbs.	375 lbs.	450 lbs.
30 x 3½	70 lbs.	450 lbs.	550 lbs.
31 x 3½	70 lbs.	475 lbs.	575 lbs.
32 x 3½	70 lbs.	500 lbs.	600 lbs.
34 x 3½	70 lbs.	550 lbs.	650 lbs.
31 x 4	75 lbs.	635 lbs.	775 lbs.
32 x 4	75 lbs.	650 lbs.	800 lbs.
33 x 4	75 lbs.	675 lbs.	850 lbs.
34 x 4	75 lbs.	700 lbs.	875 lbs.
35 x 4	80 lbs.	735 lbs.	885 lbs.
36 x 4	80 lbs.	750 lbs.	900 lbs.
33 x 4½	85 lbs.	800 lbs.	1000 lbs.
34 x 4½	85 lbs.	900 lbs.	1125 lbs.
35 x 4½	85 lbs.	935 lbs.	1175 lbs.
36 x 4½	85 lbs.	975 lbs.	1225 lbs.
37 x 4½	90 lbs.	1010 lbs.	1260 lbs.
35 x 5	90 lbs.	1000 lbs.	1250 lbs.
36 x 5	100 lbs.	1050 lbs.	1300 lbs.
37 x 5	100 lbs.	1100 lbs.	1350 lbs.
38 x 5½	110 lbs.	1200 lbs.	1450 lbs.

Automobile owners who wish specific information regarding any make of tire can obtain it quickly by mailing direct to the manufacturer one of the request blanks in the back of this book.

PRINCIPAL MANUFACTURERS OF PNEUMATIC AUTOMOBILE TIRES IN THIS COUNTRY

The Acme Rubber Manufacturing Co.....	Trenton, New Jersey
Ajax Rubber Company.....	New York, New York
The Batavia Rubber Company.....	Batavia, New York
The Brictson Manufacturing Co.....	Brookings, South Dakota
Colorado Tire & Leather Company.....	Denver, Colorado
Continental Rubber Works.....	Erie, Pennsylvania
Diamond Tire & Rubber Company.....	Akron, Ohio
Empire Rubber & Tire Company.....	Trenton, New Jersey
Federal Rubber Manufacturing Co.....	Milwaukee, Wisconsin
Firestone Tire & Rubber Company.....	Akron, Ohio
Fisk Tire & Rubber Company.....	Chicopee Falls, Massachusetts
G. & J. Tire Company.....	New York, New York
Globe Rubber Tire Mfg. Co., Inc.....	Trenton, New Jersey
The B. F. Goodrich Company.....	Akron, Ohio
The Goodyear Tire & Rubber Company.....	Akron, Ohio
Hartford Rubber Works Company.....	New York, New York
Kelly-Springfield Tire Company.....	New York, New York
Lancaster Tire & Rubber Company.....	Lancaster, Ohio
Lee Tire & Rubber Company.....	Conshocken, Pennsylvania
L. & M. Rubber Company.....	Carrollton, Ohio
Marathon Tire & Rubber Company.....	Cuyahoga Falls, Ohio
Michelin Tire Company.....	Milltown, New Jersey
The Miller Rubber Company.....	Akron, Ohio
The Norwalk Tire & Rubber Co., Inc.....	Norwalk, Connecticut
Pennsylvania Rubber Company.....	Jeannette, Pennsylvania
Quaker City Rubber Company.....	Philadelphia, Pennsylvania
Republic Rubber Company.....	Youngstown, Ohio
Revere Rubber Company.....	New York, New York
Thermoid Rubber Company.....	Trenton, New Jersey
Tyer Rubber Company.....	Andover, Massachusetts
United States Tire Company.....	New York, New York



Request Blanks for Automobile Manufacturers

CATALOG REQUEST BLANK

(To be mailed direct to the manufacturer)

GENTLEMEN:—

Please send me catalogue describing your automobiles as shown in McCLURE'S MAGAZINE AUTOMOBILE YEAR BOOK, and oblige,

Name _____

Address _____

CATALOG REQUEST BLANK

(To be mailed direct to the manufacturer)

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Address _____



Request Blanks for Automobile Manufacturers

CATALOG REQUEST BLANK

(To be mailed direct to the manufacturer)

GENTLEMEN:—

Please send me catalogue describing your automobiles as shown in MCCLURE'S MAGAZINE AUTOMOBILE YEAR BOOK, and oblige,

Name _____

Address _____

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Request Blanks for Tire Manufacturers

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GENTLEMEN:—

Please send me descriptive folder and price list for pneumatic automobile tires as mentioned in **McCLURE'S MAGAZINE AUTOMOBILE YEAR BOOK**, and oblige,

Name _____

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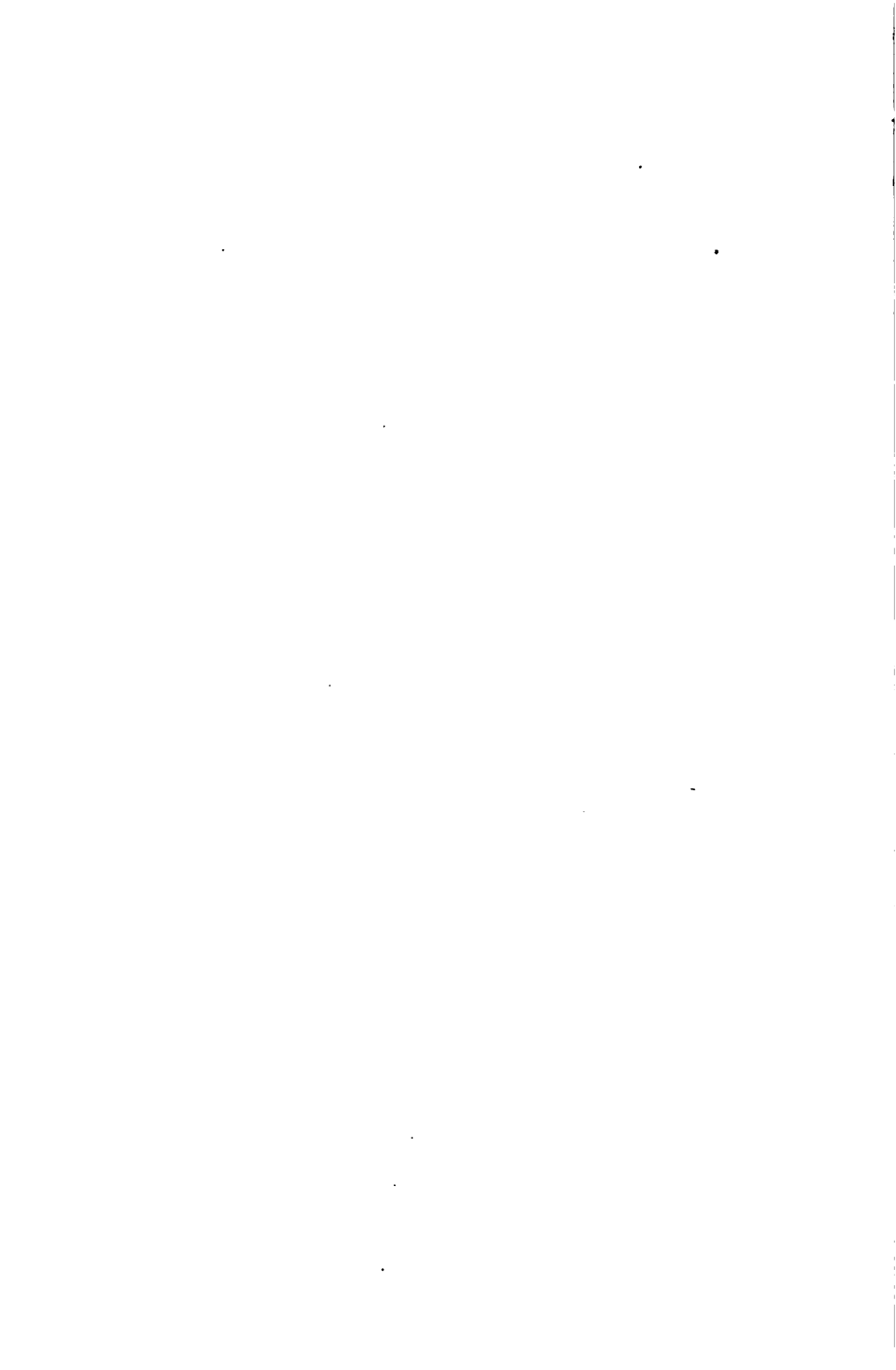
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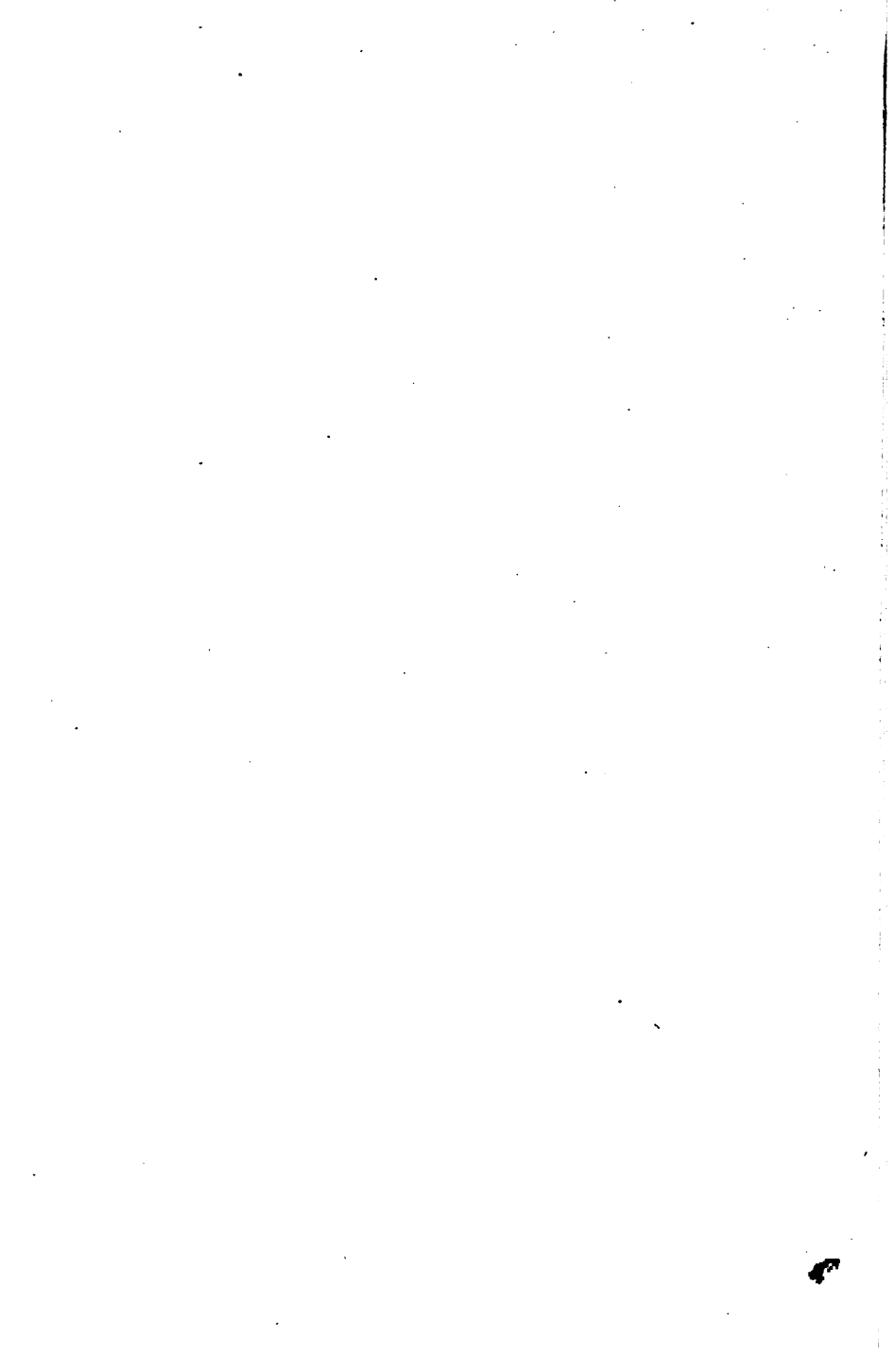
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